9-1015-215-30 P

TM 9-1015-215-30P

TECHNICAL MANUAL

DIRECT SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS)
FOR

MORTAR, 4.2-INCH, M30
(CANNON M30 ON MOUNT M24A1)
(1015-00-840-1840)

AND
TRAINER, SUBCALIBER, 60-MM, M31
(8429878)

HEADQUARTERS, DEPARTMENT OF THE ARMY

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OCTOBER 1984

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TECHNICAL MANUAL
NO. 9-1015-215-30P

HEADQUARTERS,
DEPARTMENT OF THE ARMY
Washington, DC, *26 October 1984*

Direct Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts) for MORTAR, 4.2-INCH, M30 (CANNON M30 ON MOUNT M24A1) (1015-00-840-1840) and TRAINER, SUBCALIBER, 60-MM, M31 (8429878)

Current as of 26 October 1984

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAS, Rock Island, IL 61299-6000. A reply will be furnished to you.

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*This manual supersedes TM 9-1015-215-35P, dated 15 August 1968.

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DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS)

Section I. INTRODUCTION

1. SCOPE. This manual lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of direct support maintenance of the mortar. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the Source, Maintenance and Recoverability (SMR) codes.

2. GENERAL. This Repair Parts and Special Tools List is divided into the following sections:

a. *Section II. Repair Parts List.* A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in NSN sequence.

b. *Section III. Special Tools List.* A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL for the performance of maintenance.

c. *Section IV. National Stock Number and Part Number Index.* A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

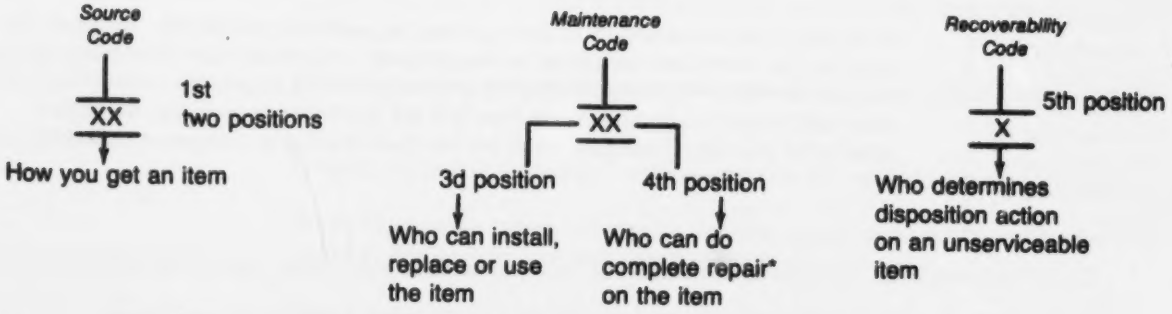
3. EXPLANATION OF COLUMNS.

a. *ILLUSTRATION (Column (1)).* This column is divided as follows:

(1) ((a) FIG NO.) figure number. Indicates the figure number illustrating an exploded view of a functional group.

(2) ((b) ITEM NO.). Indicates the number used to identify items called out in the illustration.

b. *SMR CODE (Column (2)).* The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instructions, as shown in the following breakout:



*Complete Repair: Maintenance capacity, capability, and authority to perform all the corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source code. The source code tells you how you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Source codes are always the first two positions of the SMR code. Explanations of source codes follow:

Code	*Explanation*
PA PB PC PD PE PF PG	Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3d position of the SMR code.
KD KF KB	Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3d position of the SMR code. The complete kit must be requisitioned and applied.
MO-(Made at Org/ AVUM Category) MF-(Made at DS/ AVIM Category) MH-(Made at GS Category) MD-(Made at Depot)	Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by NSN in the Description column and listed in the Bulk Material group in the repair parts list in this manual. If the item is authorized to you by the 3d position code of the SMR code, but the source code indicates it is made at a higher category, order the item from the higher category of maintenance.
AO-(Assembled by Org/AVUM Category) AF-(Assembled by DS/AVIM Category) AH-(Assembled by GS Category) AD-(Assembled by Depot)	Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the category of maintenance indicated by the source code. If the 3d position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher category, order the item from the higher category of maintenance.

XA - Do not requisition an "XA"-coded item. Order its next higher assembly. (Also, refer to the NOTE below.)

XB - If an "XB" item is not available from salvage, order it using the FSCM and part number given.

XC - Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.

XD - Item is not stocked. Order an "XD"-coded item through normal supply channels using the FSCM and part number given, if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 700-42.

(2) Maintenance code. Maintenance codes tell you the category(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR Code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance category authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following categories of maintenance.

Code	*Application/Explanation*
C	- Crew or operator maintenance done within organizational or aviation unit maintenance.
O	- Organizational or aviation unit category can remove, replace, and use the item.
F	- Direct support or aviation intermediate category can remove, replace, and use the item.
H	- General support category can remove, replace, and use the item.
L	- Specialized repair activity can remove, replace, and use the item.
D	- Depot category can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance category with the capability to do complete repair (i.e., perform all authorized repair functions). (NOTE: Some limited repair may be done on the item at a lower category of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.) This position will contain one of the following maintenance codes.

Code	*Application/Explanation*
O	- Organizational or aviation unit is the lowest category that can do complete repair of the item.
F	- Direct support or aviation intermediate is the lowest category that can do complete repair of the item.
H	- General support is the lowest category that can do complete repair of the item.
L	- Specialized repair activity (designate the specialized repair activity) is the lowest category that can do complete repair of the item.
D	- Depot is the lowest category that can do complete repair of the item.
Z	- Nonreparable. No repair is authorized.
B	- No repair is authorized. (No parts or special tools are authorized for the maintenance of a "B"-coded item.) However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

(3) Recoverability code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

Recoverability Codes	*Definition*
Z	- Nonreparable item. When unserviceable, condemn and dispose of the item at the category of maintenance shown in 3d position of SMR Code.
O	- Reparable item. When uneconomically reparable, condemn and dispose of the item at organizational or aviation unit category.
F	- Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or aviation intermediate category.
H	- Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support category.
D	- Reparable item. When beyond lower category repair capability, return to depot. Condemnation and disposal of item not authorized below depot category.
L	- Reparable item. Condemnation and disposal not authorized below specialized repair activity.
A	- Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. *NATIONAL STOCK NUMBER (Column (3)).* Lists the National stock number (NSN) assigned to the item. Use the NSN for requests/requisitions.

d. *FSCM (Column (4)).* The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

e. *PART NUMBER (Column (5)).* Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

NOTE

When you use an NSN to requisition an item, the item you receive may have a different part number from the part ordered, but go ahead and use or furnish it as the replacement part.

f. *DESCRIPTION (Column (6)).* This column includes the Federal item name and, when required, a minimum description to identify the item.

g. *U/M (Column (7)).* The Unit of Measure (UM) indicates the measure (e.g., foot, gallon, pound) or count (e.g., each, dozen, gross) of a listed item. A two-character alpha code (e.g., FT, GL, LB, EA, DZ, GR) appears in this column to indicate the measure or count. If the U/M code appearing in this column differs from the Unit of Issue (U/I) code listed in the Army Master Data File (AMDF), request the lowest U/I that will satisfy your needs.

h. *QTY INC IN UNIT (Column (8)).* The Quantity Incorporated in Unit (QTY INC IN UNIT) indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable (e.g., shims, spacers).

4. SPECIAL INFORMATION.

a. Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM 9-1015-215-30. Items that make up the assembly are listed immediately following the assembled item entry.

b. The following publications pertain to the mortar and its components:

Publication and Short Title	
TM 9-1015-215-10	Mortar, 4.2-inch, M30 and trainer, subcaliber 60-mm, M31
TM 9-1015-215-20&P	Mortar, 4.2-inch, M30 and trainer, subcaliber 60-mm, M31
TM 9-1015-215-30	Mortar, 4.2-inch, M30 and trainer, subcaliber 60-mm, M31

5. HOW TO LOCATE REPAIR PARTS.

a. *When National Stock Number or Part Number is not Known:*

(1) First. Using the table of contents, determine the functional group or subfunctional group to which the item belongs. This is necessary since figures are prepared for functional groups and subfunctional groups, and listings are divided into the same groups.

(2) Second. Find the figure covering the functional group or subfunctional group to which the item belongs.

(3) Third. Identify the item on the figure and note the item number of the item.

(4) Fourth. Refer to the Repair Parts List for the figure to find the line item entry for the item number noted on the figure.

b. *When National Stock Number or Part Number is Known:*

(1) First. Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. The NSN index is in National Item Identification Number (NIIN)* sequence. The part numbers in the Part Number index are listed in ascending alphanumeric sequence. Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

*The NIIN consists of the last 9 digits of the NSN (i.e., 5305-01-674-1467)

(2) Second. After finding the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

6. ABBREVIATIONS. Not applicable.

Section II. REPAIR PARTS LIST

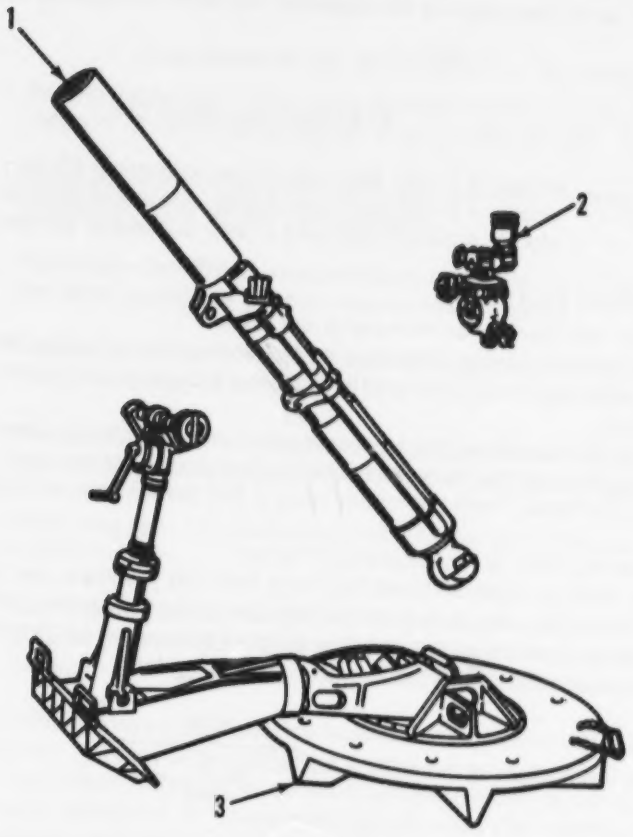
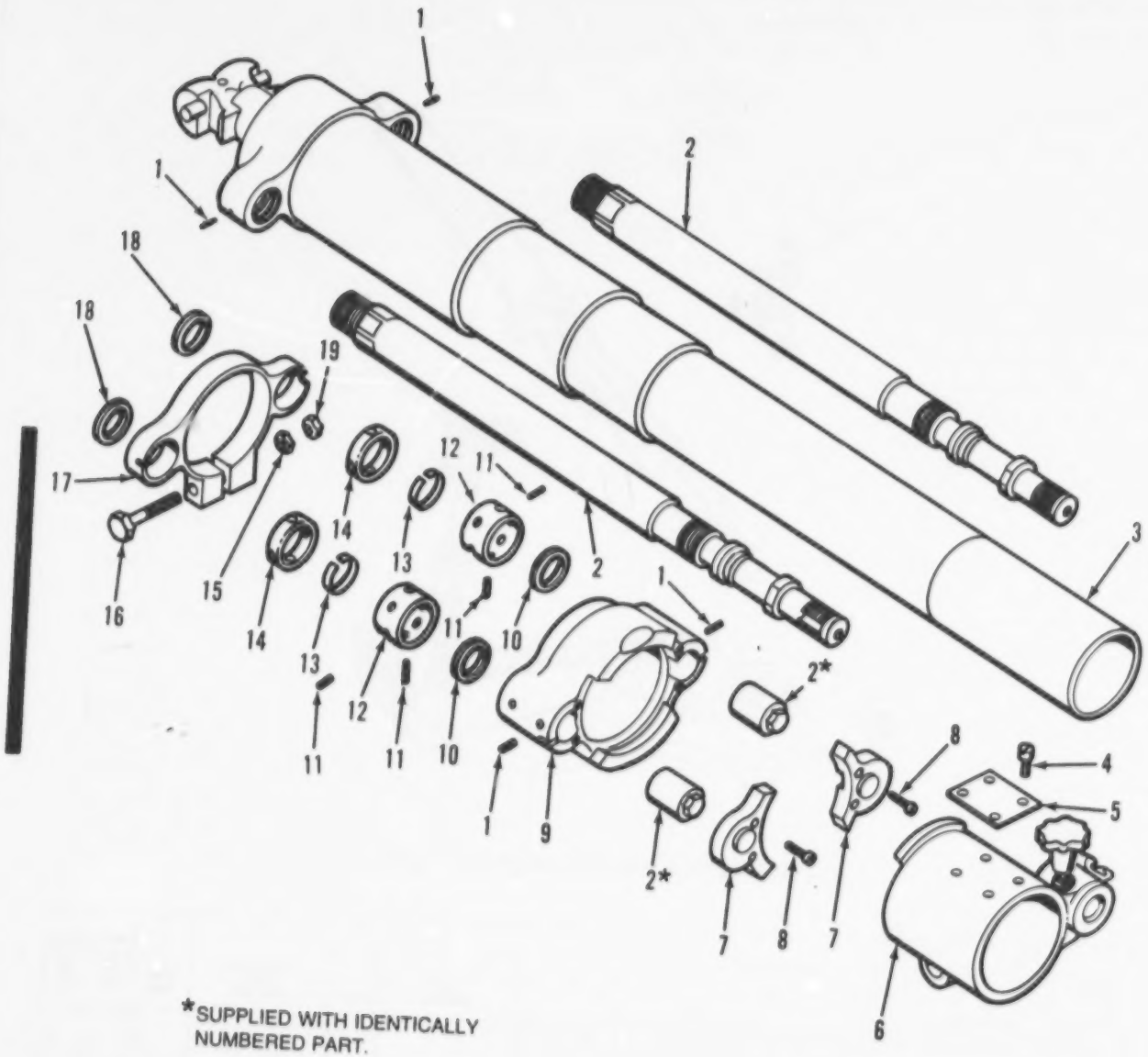


Figure 1. Mortar, 4.2-inch, M30 8401840

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 00 MORTAR, 4.2-INCH, M30		
						8401840		
1	1	XAFFF		19204	11577220	CANNON, 4.2-INCH MORTAR, M30 (ISSUED ONLY AS A COMPONENT OF MAJOR COMBINATION)	EA	1
1	2	A0000		19200	10559698	SIGHTUNIT M53A1	EA	1
1	2	A0000		19200	8245971	SIGHTUNIT M53	EA	1
1	3	XAFFF		19204	8401603	MOUNT, M24A1, 4.2 IN.	EA	1



*SUPPLIED WITH IDENTICALLY NUMBERED PART.

Figure 2. Cannon, 4.2-inch mortar, M30 11577220

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 01 CANNON, 4.2-INCH MORTAR, M30		
						11577220		
2	1	PAFZZ	5305-00-722-9385	96906	MS51963-65	SETSCREW	EA	4
2	2	PBFFF	1015-00-805-3868	19206	11578073	SHOCK ABSORBER ASSEMBLY	EA	2
2	3	PAFDD	1015-00-857-2822	19206	11577216	CANNON, 4.2 INCH MOR	EA	1
2	4	PAFZZ	5305-00-984-4984	96906	MS3520A-227	SCREW, MACHINE	EA	4
2	5	XAFZZ		19206	11577222	PLATE IDENTIFICATION	EA	1
2	6	AFFFF		19206	7144218	COUPLING AND SIGHT MOUNT ASSEMBLY	EA	1
2	7	PAFZZ	1015-00-714-4100	19206	7144100	LUG COUPLING MORTAR	EA	2
2	8	PAFZZ	5305-00-983-5346	96906	MS16997-78	SCREW, CAP, SOCKET HE	EA	4
2	9	PAFFF	1015-00-690-3114	19206	7309693	BASE, COUPLING ASSY	EA	1
2	10	PAFZZ	5310-00-714-4024	19206	7144024	WASHER, FLAT	EA	2
2	11	PAFZZ	5305-00-719-5329	96906	MS51963-20	SETSCREW	EA	2
2	12	PAFZZ	1015-00-714-4104	19206	7144104	CAP, SEAL	EA	2
2	13	PAFZZ	5330-00-714-4006	19206	7144006	PACKING, PREFORMED	EA	2
2	14	PAFZZ	5310-00-714-4085	19206	7144085	NUT, PLAIN, ROUND	EA	2
2	15	PAFZZ	5310-00-732-0358	96906	MS51967-8	NUT, PLAIN, HEXAGON	EA	1
2	16	PAFZZ	5305-00-808-0864	96906	MS90728-71	SCREW, CAP, HEXAGON H	EA	1
2	17	PAFZZ	1015-00-714-4168	19206	7144168	FLANGE, BARREL	EA	1
2	18	PAFZZ	5365-00-714-4005	19206	7144005	SPACER, RING	EA	2
2	19	PAFZZ	5310-00-851-2682	96906	MS35691-17	NUT, PLAIN, HEXAGON	EA	1

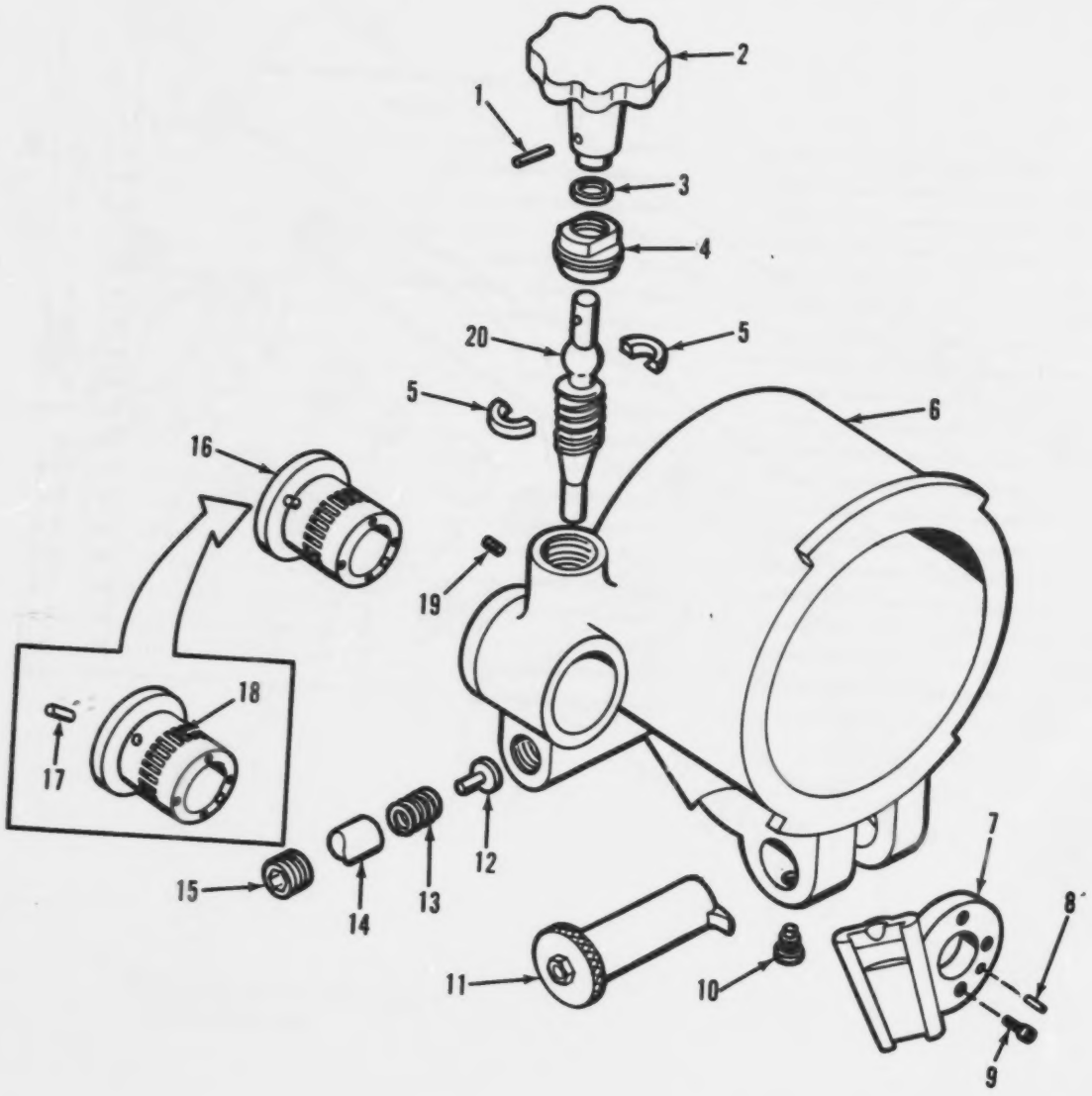


Figure 3. Coupling and sight mount assembly 7144218 and gear, worm assembly 7145424

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0101 COUPLING AND SIGHT MOUNT ASSEMBLY 7144218 AND GROUP 0101C1 GEAR, WORM ASSEMBLY 7145424		
3	1	PAFZZ	5315-00-616-3839	96906	MS171531	PIN, SPRING	EA	1
3	2	PAFZZ	5355-00-498-2428	19206	8768922	KNOB	EA	1
3	3	PAFZZ	5330-00-714-4012	19206	7144012	GASKET	EA	1
3	4	PAFZZ	1015-00-714-4101	19206	7144101	SEAT, BALL	EA	1
3	5	PAFZZ	3120-00-714-4016	19206	7144016	BEARING, SLEEVE	EA	2
3	6	PAFZZ	1015-00-714-4219	19206	7144219	BODY, COUPLING	EA	1
3	7	PAFZZ	1015-00-714-4172	19206	7144172	SOCKET, SIGHT	EA	1
3	8	PAFZZ	5315-00-052-6634	96906	MS9103-88	PIN, STRAIGHT, HEADLE	EA	1
3	9	PAFZZ	5305-00-983-7429	96906	MS16998-28	SCREW, CAP, SOCKET HE	EA	4
3	10	PADZZ	5305-00-713-4364	19206	7134364	SETSCREW	EA	1
3	11	PADFF	1015-00-713-6031	19206	7136031	PIN ASSEMBLY	EA	1
3	12	PAFZZ	1015-00-714-4020	19206	7144020	GUIDE SPRING	EA	1
3	13	PAFZZ	5360-00-714-4099	19206	7144099	SPRING, HELICAL, COMP	EA	1
3	14	PAFZZ	1015-00-714-4013	19206	7144013	YOKE	EA	1
3	15	PAFZZ	4730-00-057-3553	96906	MS49005-6	PLUG, PIPE	EA	1
3	16	PAFFF	1015-00-714-5424	19206	7145424	GEAR, WORM ASSY	EA	1
3	17	PAFZZ	5315-00-236-1584	80209	NAS561P4-6	..PIN, SPRING	EA	1
3	18	XAFZZ		19206	7144098	..GEAR	EA	1
3	19	PAFZZ	5305-00-719-5330	96906	MS51963-21	SETSCREW	EA	1
3	20	PAFZZ	1015-00-714-4097	19206	7144097	WORM, SIGHT, MOUNT BALL	EA	1

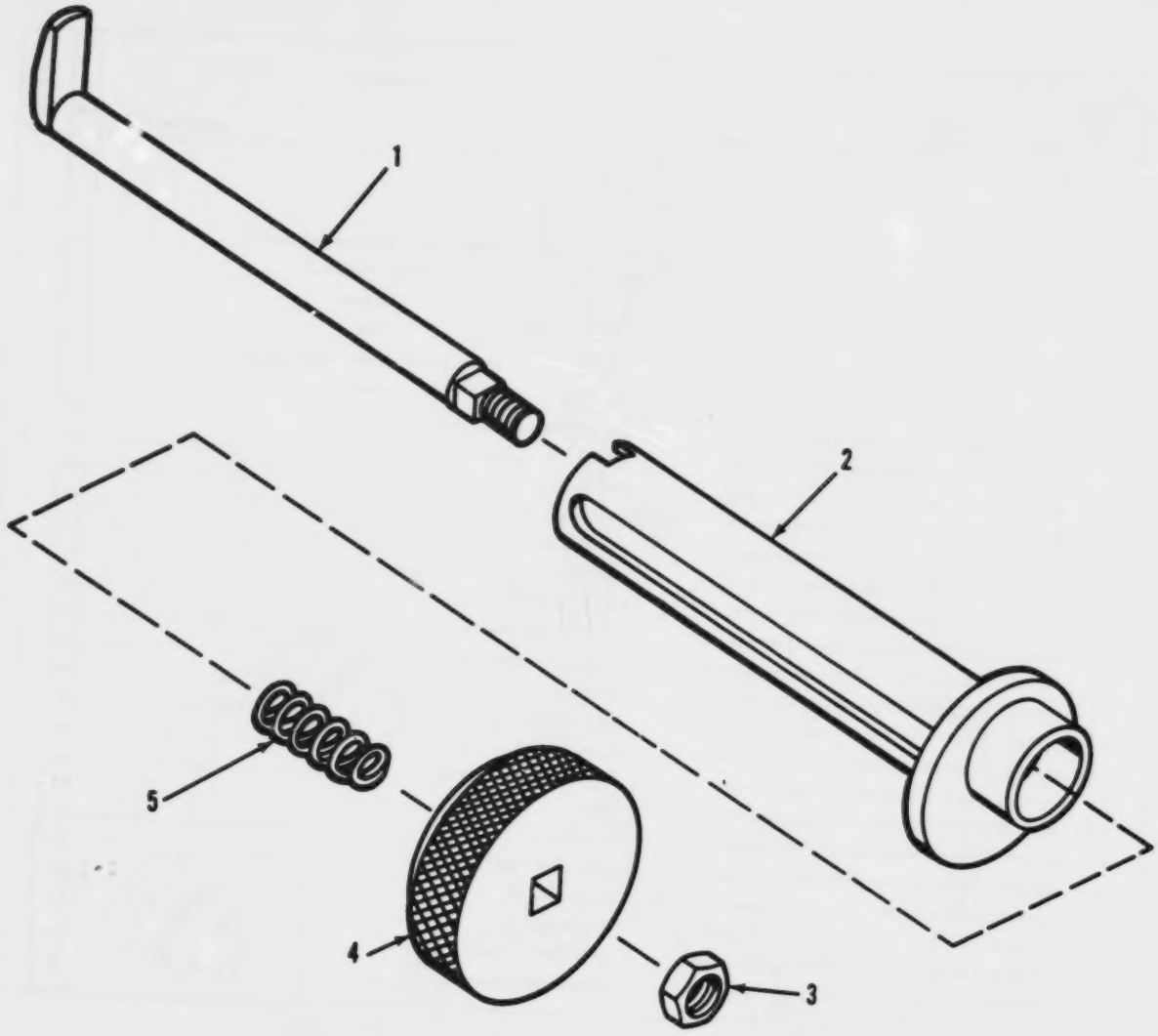


Figure 4. Pin assembly 7136051

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 010102 PIN ASSEMBLY		
						7136051		
4	1	PAFZZ	1015-00-713-4399	19206	7134399	LATCH	EA	1
4	2	XAFZZ		19204	7134410	PIN, SIGHT, MOUNT	EA	1
4	3	PAFZZ	5310-00-934-9758	96906	MS35649-202	NUT, PLAIN, HEXAGON	EA	1
4	4	XAFZZ		19206	7134391	KNOB	EA	1
4	5	PAFZZ	5360-00-713-4392	19206	7134392	SPRING, HELICAL, COMP	EA	1

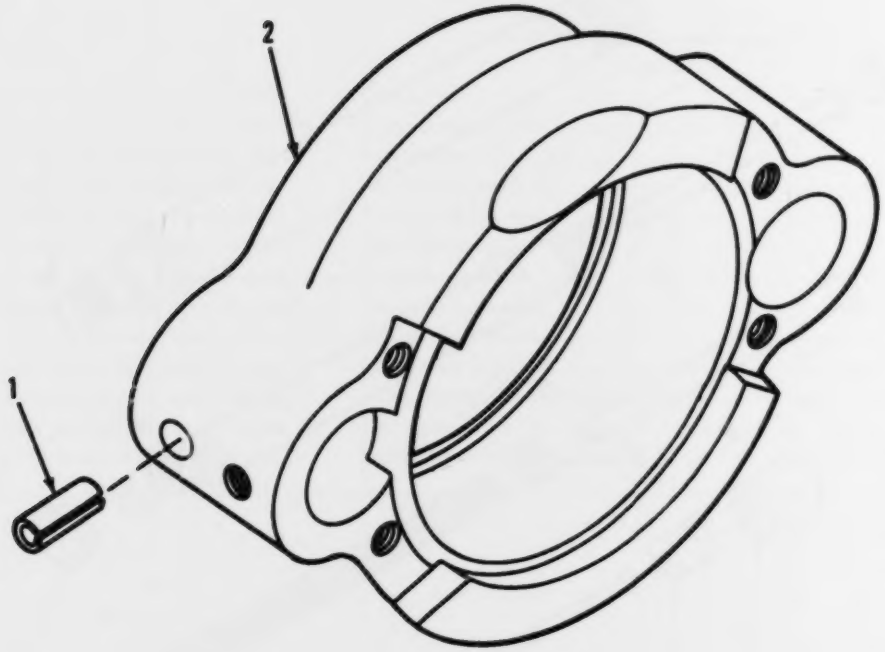
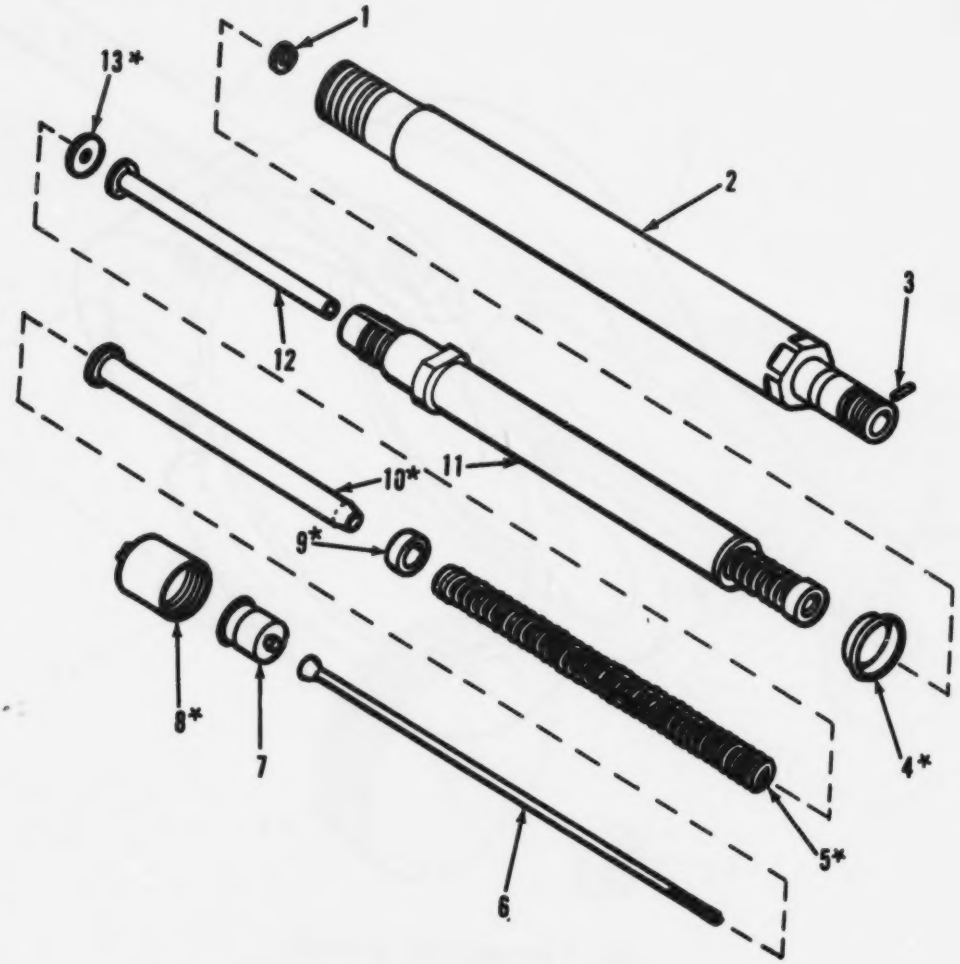


Figure 5. Base, coupling assembly 7309693

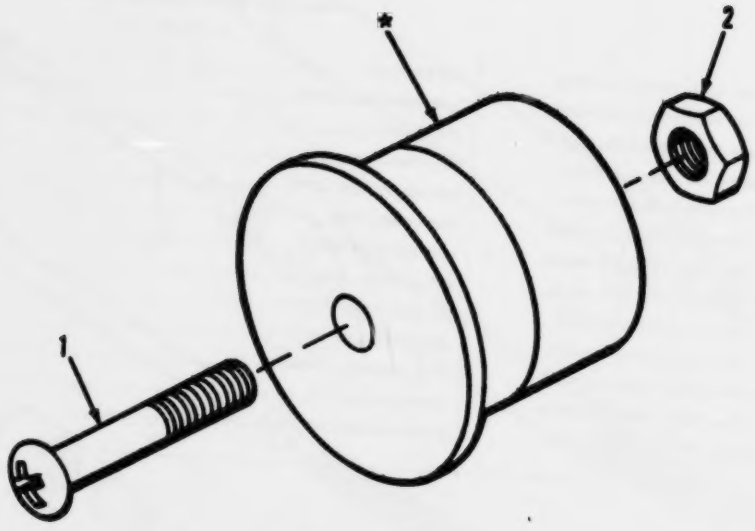
(1) ILLUSTRATION (a) FIG. NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0102 BASE, COUPLING ASSEMBLY		
						7309693		
5	1	PAFZZ	5315-00-844-3964	96906	MS16562-47	PIN, SPRING.....	EA	2
5	2	XAFZZ		19204	7144217	BASE, COUPLING.....	EA	1



*THESE PARTS ARE INTERCHANGEABLE WITH THE OLD SHOCK ABSORBER ASSEMBLY, P/N 7144220.

Figure 6. Shock absorber assembly 11578073

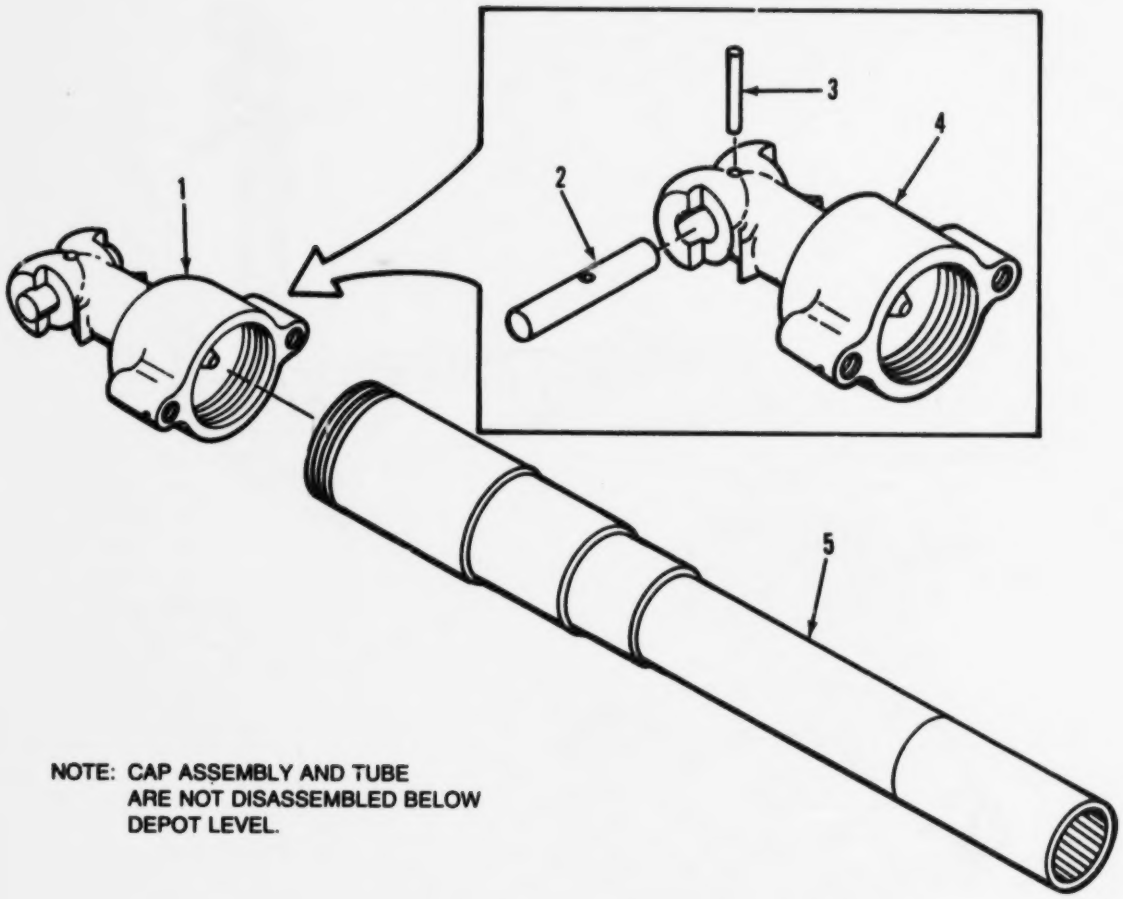
(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0103 SHOCK ABSORBER ASSEMBLY 11578073		
6	1	PAFZZ	5310-00-433-6914	19206	11578079	WASHER, FLAT	EA	1
6	2	PAFZZ	1015-00-127-2980	19206	11578077	TUBE ASSEMBLY, OUTER	EA	1
6	3	PAFZZ	5315-00-844-3943	96906	MS16562-10	PIN, SPRING	EA	1
6	4	PAFZZ	5330-00-869-7982	19206	7144026	RETAINER, PACKING	EA	1
6	5	PAFZZ	5360-00-714-4094	19206	7144094	SPRING, HELICAL, COMP	EA	1
6	6	PAFZZ	1015-00-127-2978	19206	11578075	ROD, CONNECTING	EA	1
6	7	PAFFF	1015-00-252-2132	19206	11578078	CUSHION ASSEMBLY	EA	1
6	8	PAFZZ	5310-00-714-4103	19206	7144103	NUT, SLEEVE TUBE	EA	1
6	9	PAFZZ	1015-00-869-7976	19206	7144004	GUIDE, SLEEVE, UPPER	EA	1
6	10	PAFZZ	1015-00-869-7983	19206	7144087	SLEEVE, SPRING RETAI	EA	1
6	11	PAFZZ	1015-00-421-1696	19206	11578298	TUBE ASSEMBLY, INNER	EA	1
6	12	PAFZZ	5340-00-455-2680	19206	11578076	RETAINER, HELICAL CO	EA	1
6	13	PAFZZ	1015-00-869-7978	19206	7144010	GUIDE, CONNECTING ROD, LOWER	EA	1



*NO FURTHER DISASSEMBLY AUTHORIZED

Figure 7. Cushion assembly 11578078

(1) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 010301 CUSHION ASSEMBLY		
						11578078		
7	1	PAFZZ	5305-00-984-6214	96906	MS35206-267	SCREW, MACHINE	EA	1
7	2	PAFZZ	5310-00-934-9758	96906	MS35649-202	NUT, PLAIN, HEXAGON	EA	1



NOTE: CAP ASSEMBLY AND TUBE ARE NOT DISASSEMBLED BELOW DEPOT LEVEL.

Figure 8. Cannon, 4.2-inch (barrel assembly) 11577216 and cap assembly 11577215

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0104 CANNON, 4.2-INCH		
						(BARREL ASSEMBLY)		
						11577216		
						AND		
						GROUP 010401 CAP ASSEMBLY		
						11577215		
8	1	XAFDD		19206	11577215	CAP ASSEMBLY	EA	1
8	2	PAFZZ	5315-00-714-4093	19206	7144093	..PIN, STRAIGHT, HEADLE	EA	1
8	3	PAFZZ	5315-00-993-4169	96906	MS171725	..PIN, SPRING	EA	1
8	4	XADZZ		19206	11577221	..CAP MORTAR BARREL	EA	1
8	5	XADZZ		19206	11577219	TUBE	EA	1

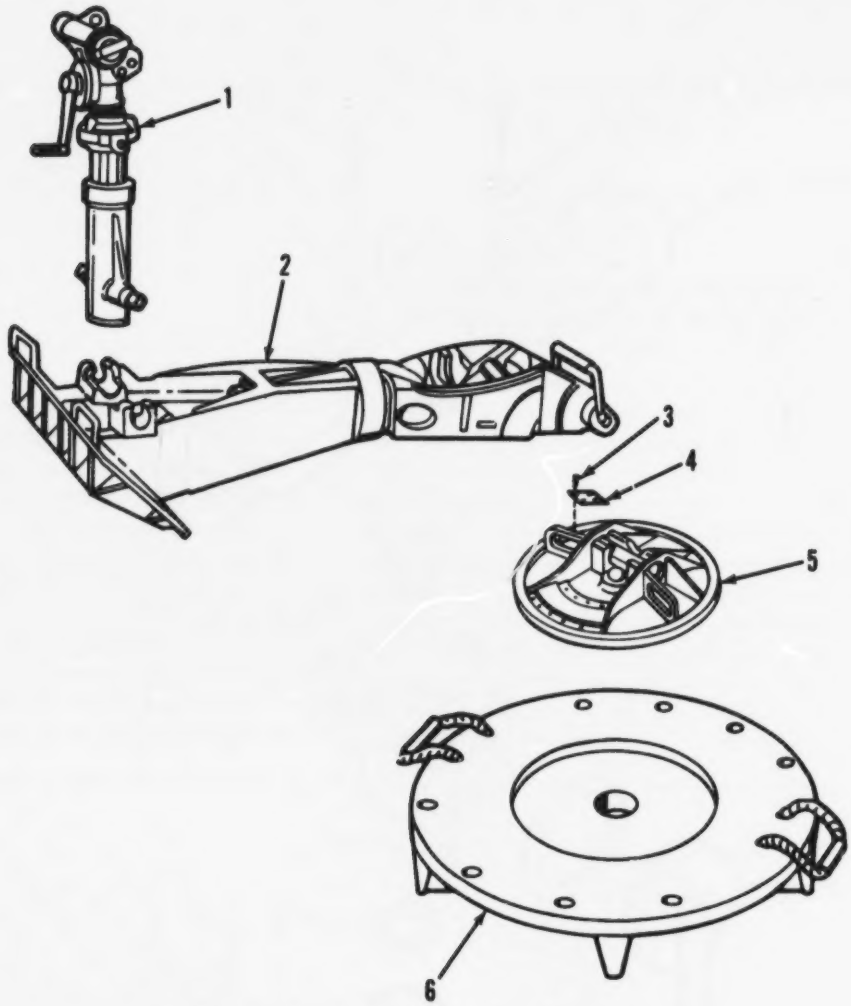


Figure 9. Mount M24A1, 4.2-inch 8401603

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 02 MOUNT M24A1, 4.2-INCH		
						8401603		
9	1	AFFFF		19204	7144254	STANDARD. MORTAR MOUNT ASSY.....	EA	1
9	2	AFFFF		19204	7144260	BRIDGE ASSEMBLY.....	EA	1
9	3	PAFZZ	5305-00-984-4984	96906	MS35206-227	SCREW, MACHINE.....	EA	4
9	4	XAFZZ		19204	11577223	PLATE, IDENTIFICATIO.....	EA	1
9	5	PAFDD	1015-00-714-8120	19204	7148120	ROTATOR ASSEMBLY.....	EA	1
9	6	PAFDD	1015-00-840-1561	19204	8401561	BASEPLATE, MORTAR.....	EA	1

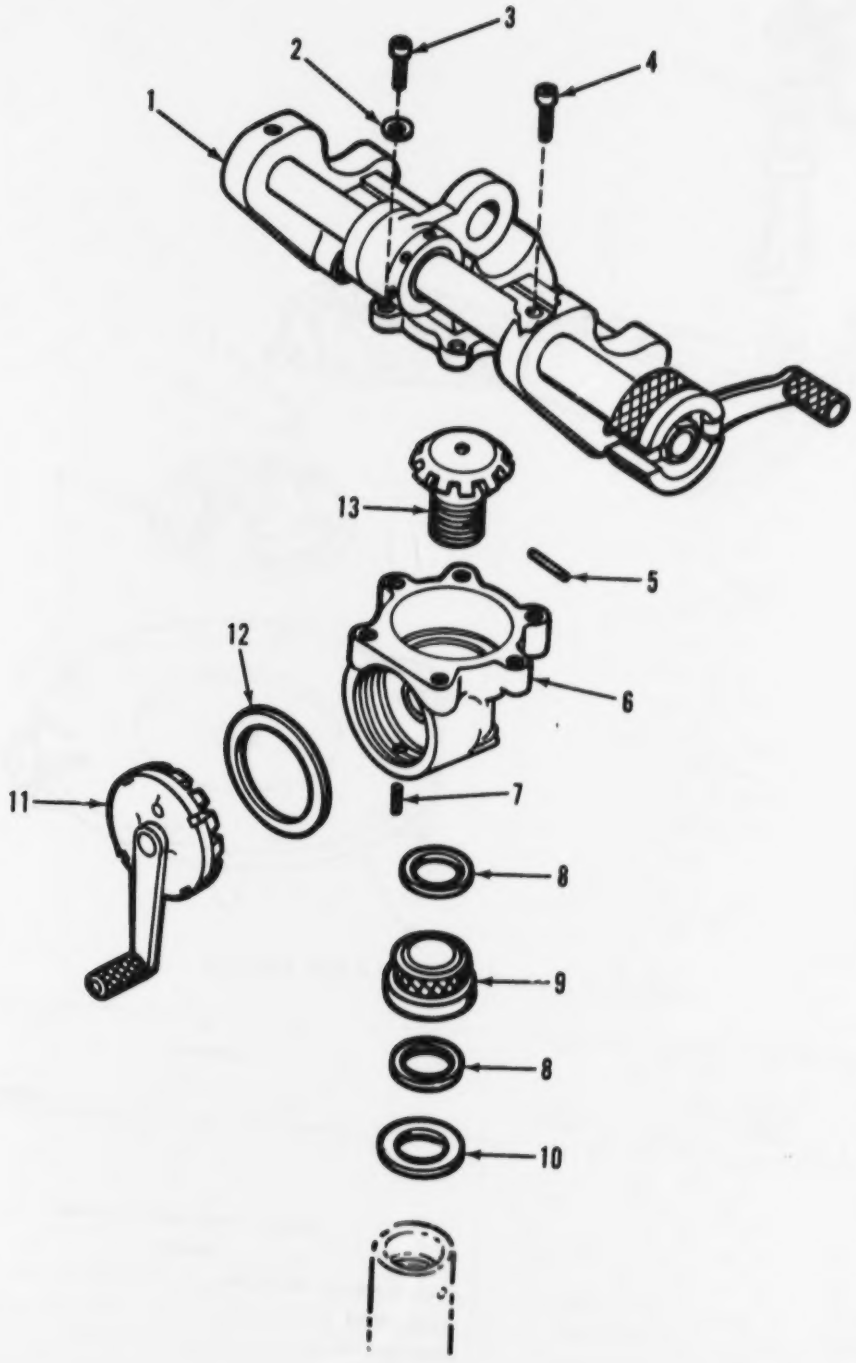


Figure 10. Standard, mortar mount assembly (elevating gear and slide assembly parts) 7144256

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0201 STANDARD, MORTAR MOUNT ASSEMBLY (ELEVATING GEAR AND SLIDE ASSEMBLY PARTS) 7144256		
10	1	AFFFF		19206	7144232	SLIDE, TRAVERSING ASSEMBLY	EA	1
10	2	PAFZZ	5310-00-167-0721	96906	MS35333-41	WASHER, LOCK	EA	4
10	3	PAFZZ	5305-00-983-5346	96906	MS16997-78	SCREW, CAP, SOCKET HE	EA	4
10	4	PAFZZ	5305-00-983-4421	96906	MS16997-80	SCREW, CAP, SOCKET HE	EA	2
10	5	PAFZZ	5315-00-853-3814	96906	MS16562-146	PIN, SPRING SPRING	EA	1
10	6	PAFZZ	1015-00-714-4224	19206	7144224	CASE, GEAR	EA	1
10	7	PAFZZ	5305-00-058-9370	96906	MS51977-32	SETSCREW	EA	1
10	8	PAFZZ	5330-00-714-4043	19206	7144043	GASKET	EA	2
10	9	PAFZZ	1015-00-714-4111	19206	7144111	CAP ELEVATING MECH	EA	1
10	10	PAFZZ	3120-00-714-4070	19206	7144070	BEARING, WASHER, THRU	EA	1
10	11	PAFFF	1015-00-714-4173	19206	7144173	GEAR AND HANDLE ASSEMBLY	EA	1
10	12	PAFZZ	5365-00-714-4051	19206	7144051	SHIM	EA	1
10	13	PAFZZ	1015-00-714-4139	19206	7144139	GEAR, MITER ELEVATING SCREW	EA	1

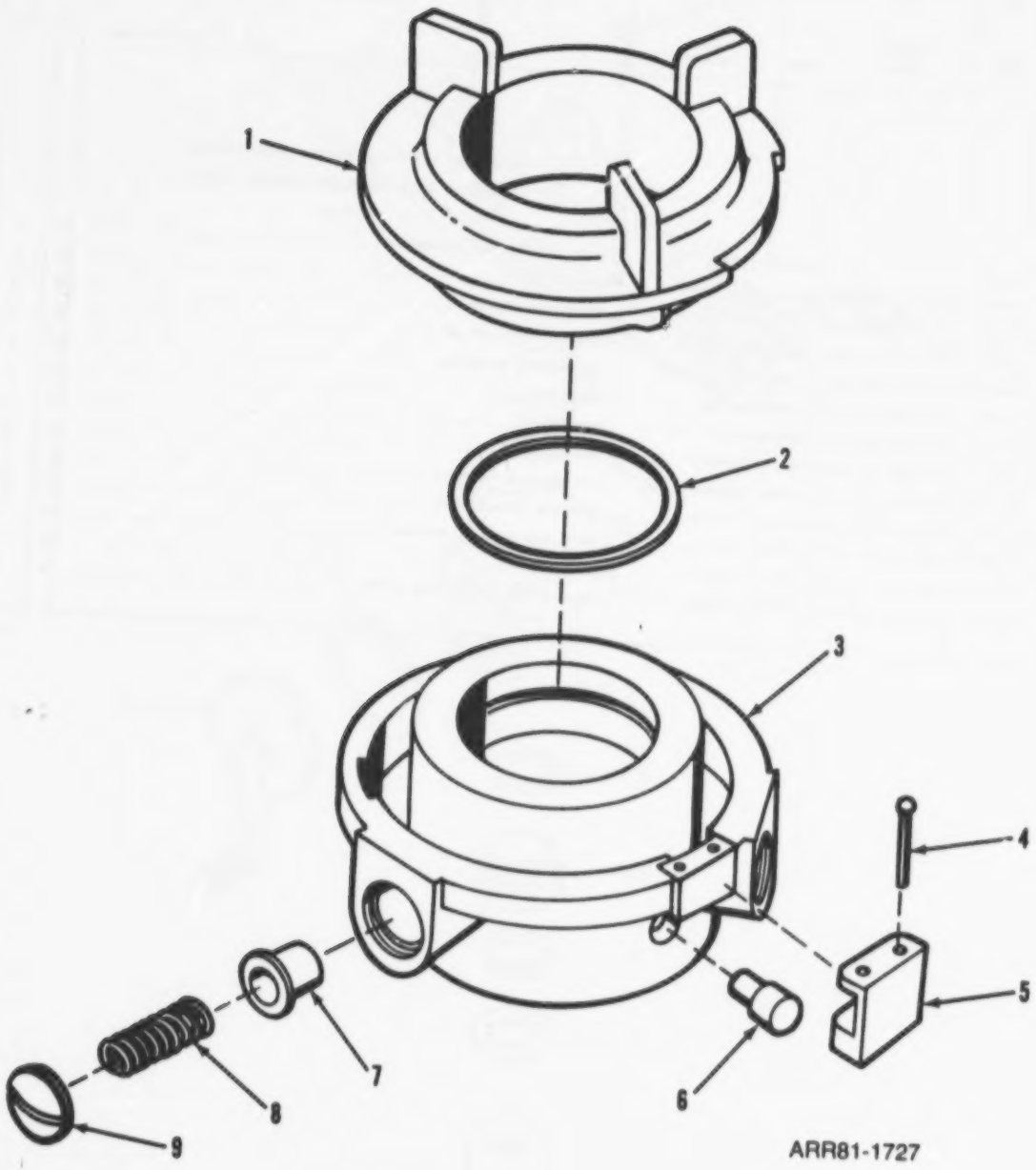


Figure 11. Standard, mortar mount assembly (elevating locking cam parts) 7144256

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0201 STANDARD, MORTAR MOUNT ASSEMBLY		
						(ELEVATING LOCKING CAM PARTS)		
						7144256		
11	1	PAFZZ	1015-00-714-4191	19206	7144191	CAM, ELEVATING MECHA.....	EA	1
11	2	PAFZZ	5330-00-714-4055	19206	7144055	GASKET PREFORMED.....	EA	1
11	3	PAFZZ	1015-00-714-4192	19206	7144192	HOUSING.....	EA	1
11	4	PAFZZ	5320-00-013-4648	81343	SAEJ492	RIVET, SOLID.....	EA	2
11	5	PAFZZ	1015-00-714-4139	19206	7144139	STOP, CAM.....	EA	1
11	6	PAFZZ	5315-00-714-4074	19304	7144074	PIN, SHOULDER, HEADLE.....	EA	1
11	7	PAFZZ	1015-00-714-4073	19206	7144073	PLUNGER, FIRING MECH.....	EA	3
11	8	PAFZZ	5360-00-714-4137	19206	7144137	SPRING, HELICAL, COMP.....	EA	3
11	9	PAFZZ	5305-00-714-4072	19206	7144072	SETSCREW.....	EA	3

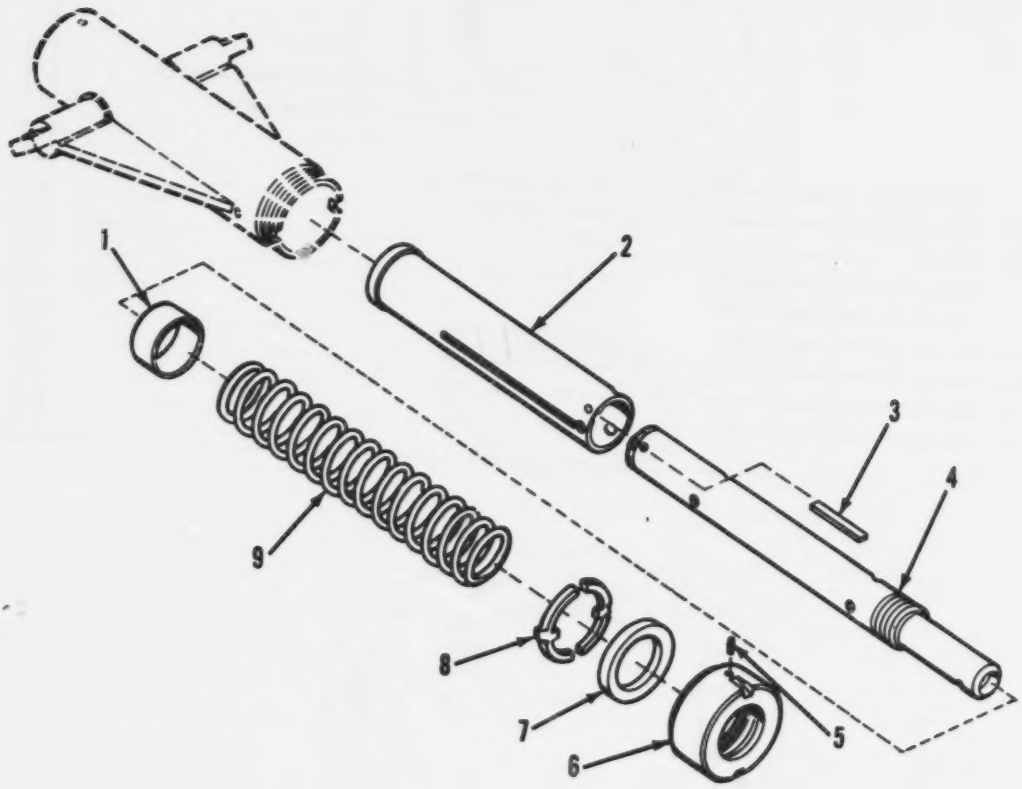


Figure 12. Standard, mortar mount assembly (elevating parts) 7144256

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0201 STANDARD. MORTAR MOUNT ASSEMBLY		
						(ELEVATING PARTS)		
						7144256		
12	1	PAFII	5365-00-714-4067	19206	7144067	SPACER, SLEEVE.....	EA	1
12	2	PAFII	1015-00-714-4185	19206	7144185	SUPPORT, ELEVATING A.....	EA	1
12	3	PAFII	5315-00-714-4069	19206	7144069	KEY, MACHINE.....	EA	1
12	4	PAFFF	1015-00-714-4189	19206	7144189	ELEVATING SCREW HOUSING ASSEMBLY.....	EA	1
12	5	PAFII	5305-00-723-9388	96906	MS51963-62	SETSCREW.....	EA	2
12	6	PAFII	5310-00-714-4128	19206	7144128	NUT, PLAIN, ROUND.....	EA	1
12	7	PAFII	5330-30-714-4064	19206	7144064	PACKING, PREFORMED.....	EA	1
12	8	PAFII	5365-00-714-4065	19206	7144065	RING, LOCK, KEYED.....	EA	2
12	9	PAFII	5360-00-714-4133	19206	7144133	SPRING, HELICAL, COMP.....	EA	1

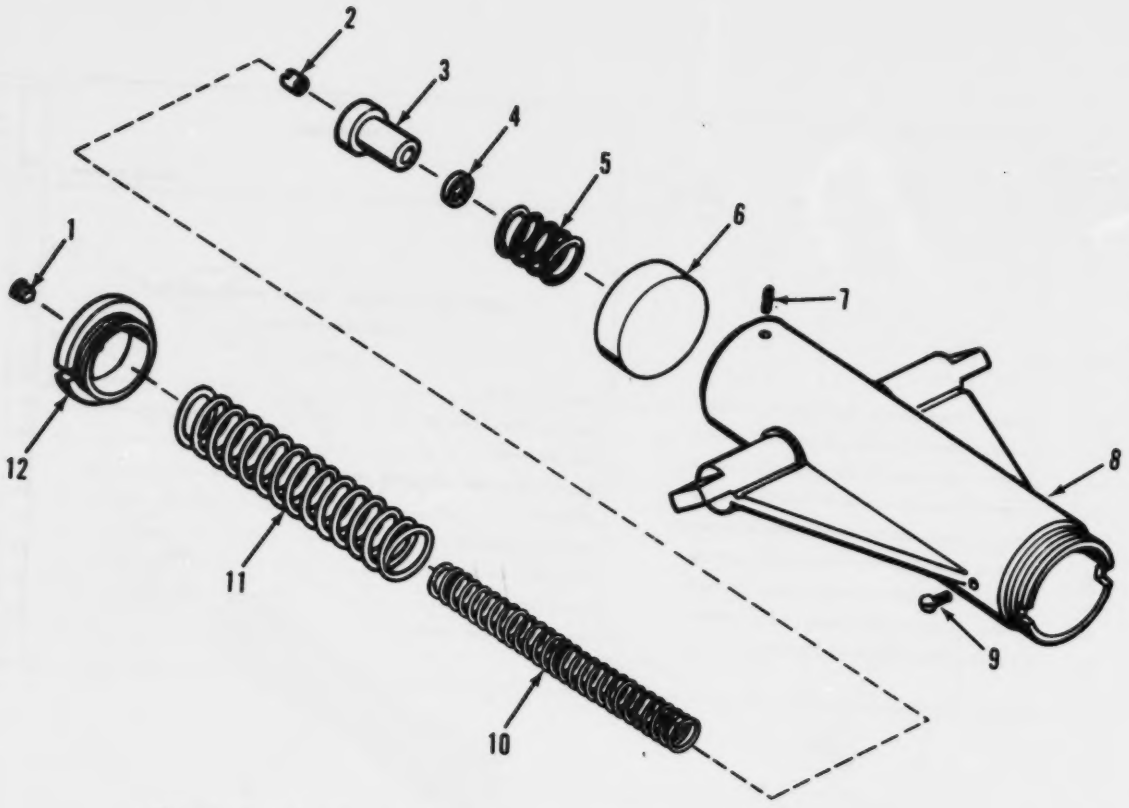


Figure 13. Standard, mortar mount assembly (recoiling parts) 7144256

(1) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0201 STANDARD MORTAR MOUNT ASSEMBLY (RECOILING PARTS) 7144256		
13	1	PAFZZ	4730-00-985-4139	81348	MMP471-ACAAAA	PLUG, PIPE	EA	1
13	2	PAFZZ	5310-00-561-2001	19206	7309158	NUT, PLAIN, ROUND	EA	1
13	3	PAFZZ	1015-00-714-4132	19206	7144132	RETAINER, HELICAL CO	EA	1
13	4	PAFZZ	5310-00-595-7237	96906	MS35333-42	WASHER, LOCK	EA	1
13	5	PAFZZ	5360-00-714-4122	19206	7144122	SPRING, HELICAL, COMP	EA	1
13	6	PAFZZ	1015-00-561-2002	19206	7309159	RETAINER, SPRING	EA	1
13	7	PAFZZ	5305-00-852-3731	96906	MS51023-28	SETSCREW	EA	1
13	8	PAFZZ	1015-00-714-4229	19206	7144229	BASE, STANDARD	EA	1
13	9	PAFZZ	5305-00-013-2960	24617	132960	SCREW, MACHINE	EA	1
13	10	PAFZZ	5360-00-714-4124	19206	7144124	SPRING, HELICAL, COMP	EA	2
13	11	PAFZZ	5360-00-714-4123	19206	7144123	SPRING, HELICAL, COMP	EA	1
13	12	PAFZZ	5365-00-714-4129	19207	7144129	PLUG, MACHINE THREAD	EA	1

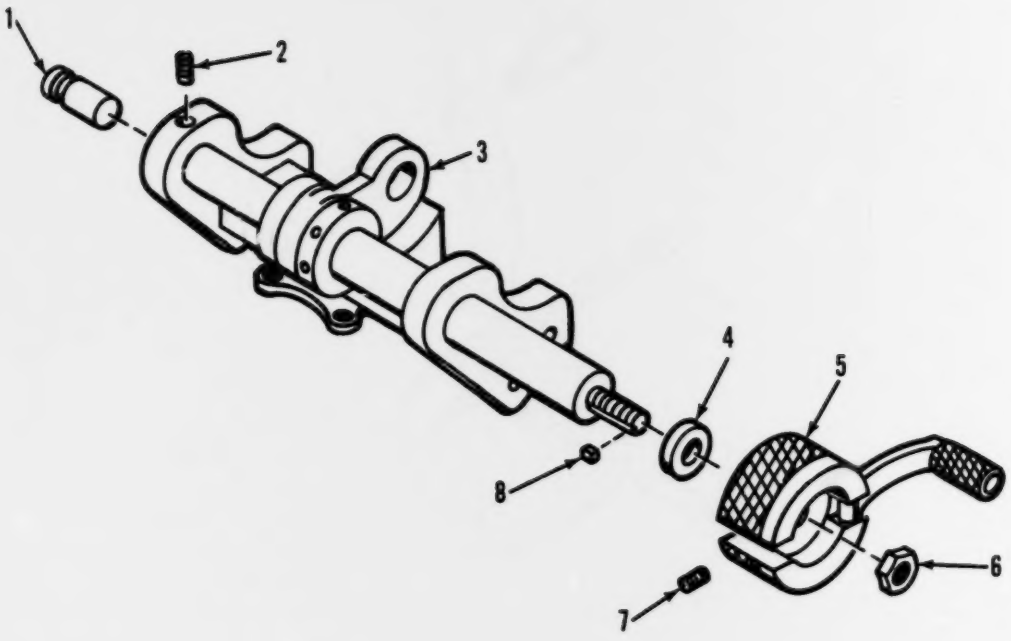


Figure 14. Slide, traversing assembly 7144232

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 020101 SLIDE, TRAVERSING ASSEMBLY 7144232		
14	1	PAFZZ	5315-00-714-4052	19204	7144052	PIN, GROOVED, HEADLES	EA	1
14	2	PAFZZ	5305-00-727-4791	96906	MS51977-64	SETSCREW: HEX-SOCKET	EA	1
14	3	AFFFF		19204	7144231	SUPPORT TRAVERSING SLIDE ASSEMBLY	EA	1
14	4	PAFZZ	5310-00-714-4050	19204	7144050	NUT, PLAIN, ROUND	EA	1
14	5	PAFFF	1015-00-714-4174	19206	7144174	WHEEL, TRAVERSING ASSEMBLY	EA	1
14	6	PAFZZ	5310-00-834-8734	96906	MS35691-37	NUT, PLAIN, HEXAGON	EA	1
14	7	PAFZZ	5305-00-723-9388	96906	MS51963-62	SETSCREW	EA	1
14	8	PAFZZ	5315-00-714-4049	19204	7144049	KEY, MACHINE	EA	1

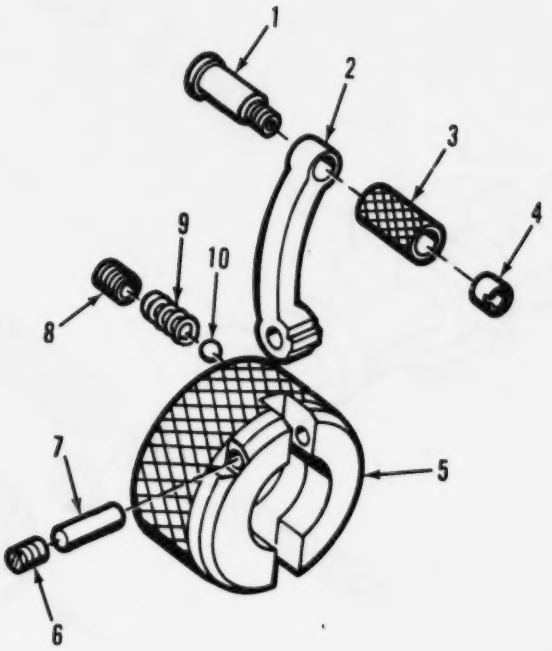


Figure 15. Wheel, traversing assembly 7144174

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO	(b) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 02010101 WHEEL, TRAVERSING ASSEMBLY 7144174		
15	1	PAFZZ	5305-00-714-4041	19206	7144041	SCREW, SHOULDER	EA	1
15	2	PAFZZ	1015-00-714-4109	19206	7144109	CRANK TRAVERSING	EA	1
15	3	PAFZZ	1015-00-714-4038	19206	7144038	HANDLE, TRAVERSING WHEEL	EA	1
15	4	PAFZZ	5310-00-714-4040	19204	7144040	NUT, PLAIN, ROUND	EA	1
15	5	XAFZZ		19204	7144175	BODY TRAVERSING WHEEL	EA	1
15	6	PAFZZ	5305-00-724-6816	96906	MS51965-64	SETSCREW	EA	1
15	7	PAFZZ	5315-00-714-4042	19204	7144042	PIN, STRAIGHT, HEADLE	EA	1
15	8	PAFZZ	5365-00-714-4039	19206	7144039	PLUG, MACHINE THREAD	EA	1
15	9	PAFZZ	5360-00-055-2830	19206	8769347	SPRING, HELICAL, COMP	EA	1
15	10	PAFZZ	3110-00-198-1050	96906	MS19060-4B14	BALL, BEARING	EA	1

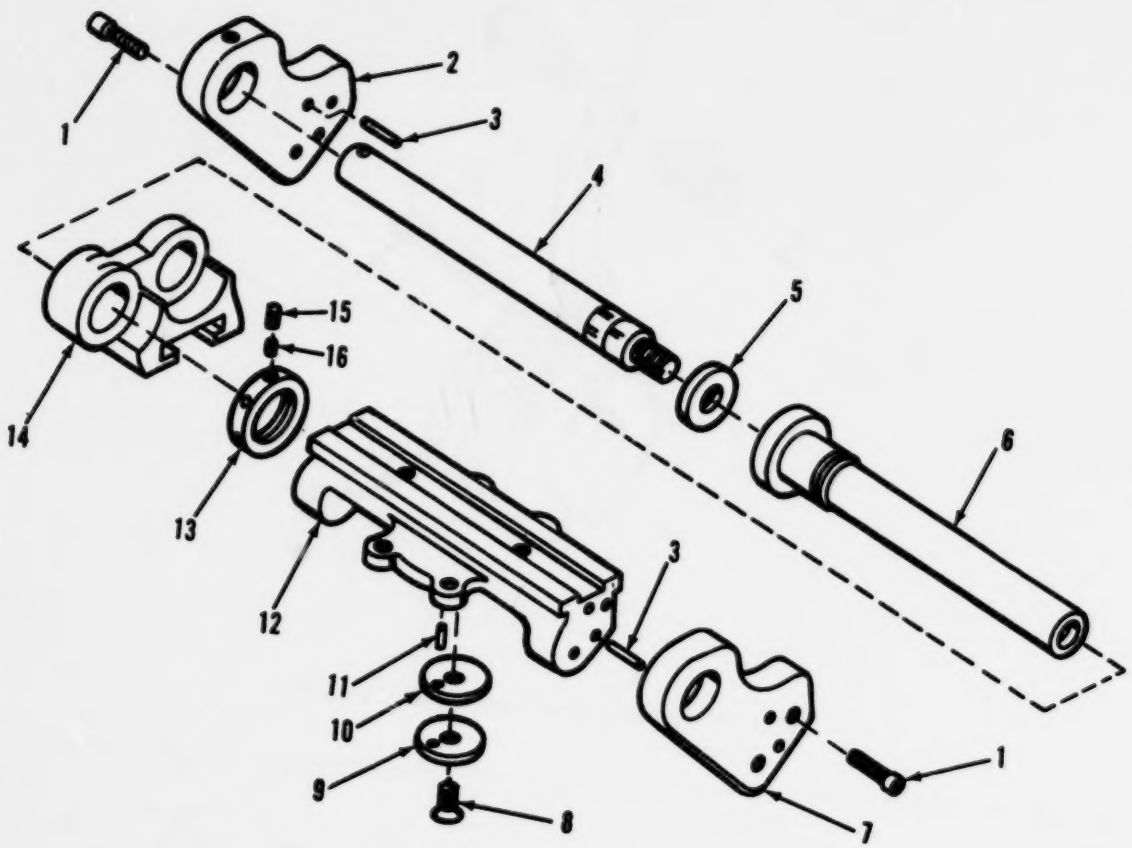


Figure 16. Support, traversing slide assembly 7144231

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 02010102 SUPPORT, TRAVERSING SLIDE ASSEMBLY 7144231		
16	1	PAFZZ	5305-00-983-5346	96906	MS16997-78	SCREW, CAP, SOCKET HE	EA	4
16	2	PAFZZ	1015-00-714-4138	19206	7144138	SUPPORT	EA	1
16	3	PAFZZ	5315-00-823-8735	96906	MS16555-49	PIN, STRAIGHT, HEADLE	EA	4
16	4	PAFFF	1015-00-714-4190	19206	7144190	SCREW AND SLEEVE ASSEMBLY	EA	1
16	5	PAFZZ	5310-00-714-4063	19206	7144063	WASHER, FLAT NONMETALLIC	EA	1
16	6	PAFZZ	1015-00-714-4184	19206	7144184	HOUSING, TRAVERSING SLEEVE	EA	1
16	7	PAFZZ	1015-00-714-4136	19206	7144136	SUPPORT	EA	1
16	8	PAFZZ	5305-00-958-5245	96906	MS35190-288	SCREW, MACHINE	EA	1
16	9	PAFZZ	5310-00-714-4044	19206	7144044	WASHER, RECESSED THRUST	EA	1
16	10	PAFZZ	5365-00-714-4045	19206	7144045	SHIM	EA	1
16	11	PAFZZ	5315-00-843-7986	96906	MS16562-33	PIN, SPRING	EA	1
16	12	PAFZZ	1015-00-714-4227	19206	7144227	BODY, TRAVERSING SLI	EA	1
16	13	PAFZZ	5310-00-714-4062	19204	7144062	NUT, PLAIN, ROUND	EA	1
16	14	PAFZZ	1015-00-714-4183	19206	7144183	NUT, TRAVERSING	EA	1
16	15	PAFZZ	5305-00-728-6308	96906	MS51966-48	SETSCREW	EA	1
16	16	PAFZZ	1015-00-767-9160	19206	8765630	DISK, SOLID, PLAIN	EA	1

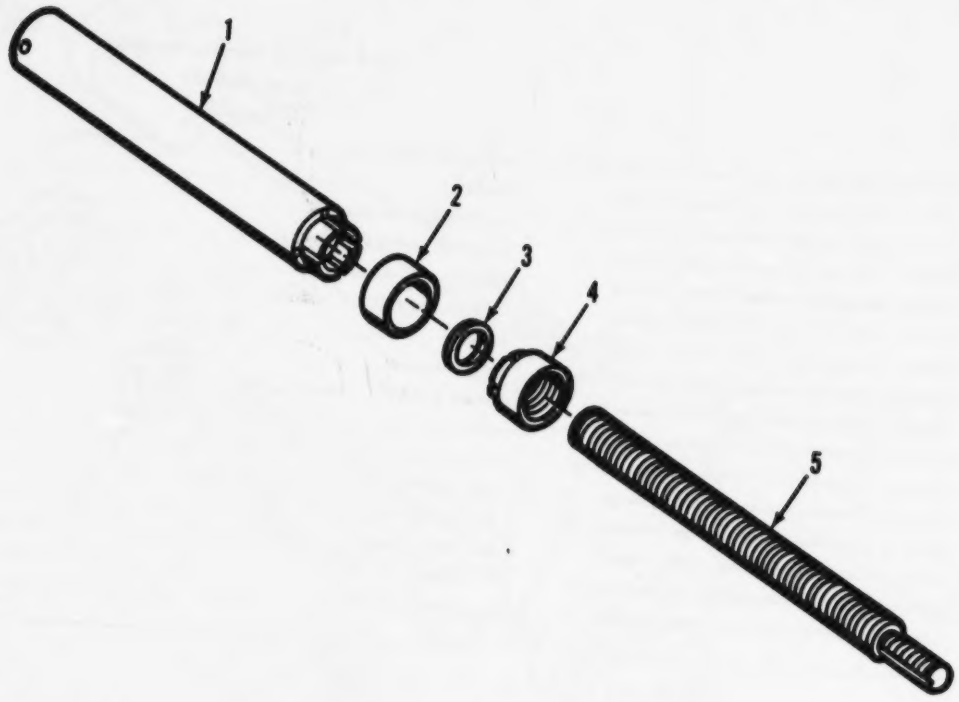


Figure 17. Screw and sleeve assembly 7144190

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0201010201 SCREW AND SLEEVE ASSEMBLY		
						7144190		
17	1	XAFZZ		19204	7144126	SLEEVE		
17	2	PAFZZ	5365-00-714-4060	19206	7144060	SPACER, SLEEVE LOCKING	EA	1
17	3	PAFZZ	5365-00-714-4061	19206	7144061	SPACER, RING THRUST	EA	1
17	4	PAFZZ	5310-00-714-4127	19204	7144127	NUT, PLAIN, ROUND	EA	1
17	5	XAFZZ		19204	7144114	SCREW TRAVERSING	EA	1
							EA	1

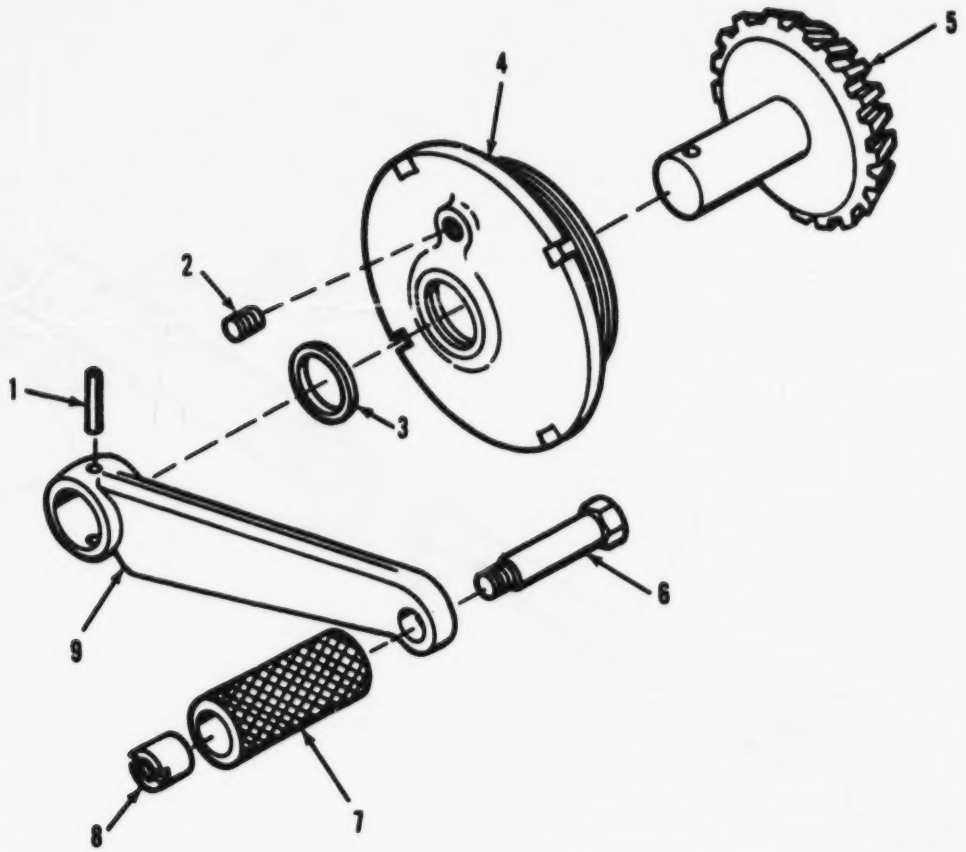


Figure 18. Gear and handle assembly 7144173

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 020102 GEAR AND HANDLE ASSEMBLY 7144173		
18	1	PAFZZ	5315-00-857-3258	96906	MS16562-145	PIN, SPRING	EA	1
18	2	PAFZZ	4730-00-985-4139	81348	WMF471-ACAAAA	PLUG, PIPE	EA	1
18	3	PAFZZ	5330-00-714-4034	19206	7144034	PACKING, PREFORMED	EA	1
18	4	XAFZZ		19206	7144107	COVER GEAR CASE	EA	1
18	5	XAFZZ		19206	7144108	GEAR, MITER	EA	1
18	6	PAFZZ	5306-00-182-5196	19206	7144036	BOLT, SHOULDER	EA	1
18	7	PAFZZ	1015-00-465-3965	19206	7144035	HANDLE, ELEVATING GEAR	EA	1
18	8	PAFZZ	5310-00-402-4437	19206	7144037	NUT, PLAIN, ROUND	EA	1
18	9	XAFZZ		19206	7148538	CRANK	EA	1

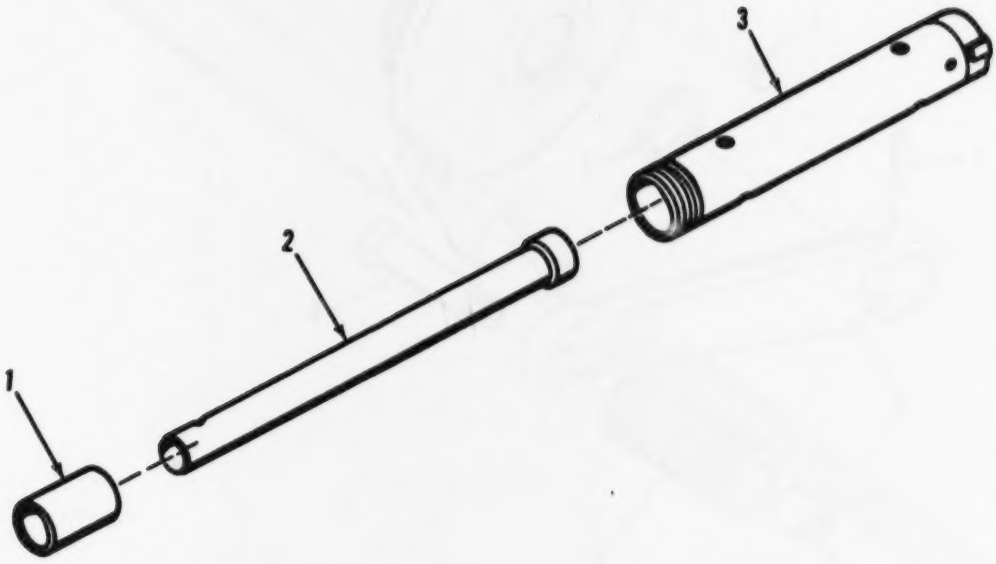


Figure 19. Elevating screw and housing assembly 7144189

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 020103 ELEVATING SCREW AND HOUSING ASSEMBLY 7144189		
19	1	PAFZZ	3120-00-824-4495	19206	7144048	BUSHING, SLEEVE.....	EA	1
19	2	PAFZZ	1015-00-714-4187	19206	7144187	SLEEVE, ELEVATING SCREW ASSY.....	EA	1
19	3	XAFZZ		19204	7144186	SCREW ELEVATING ASSEMBLY.....	EA	1

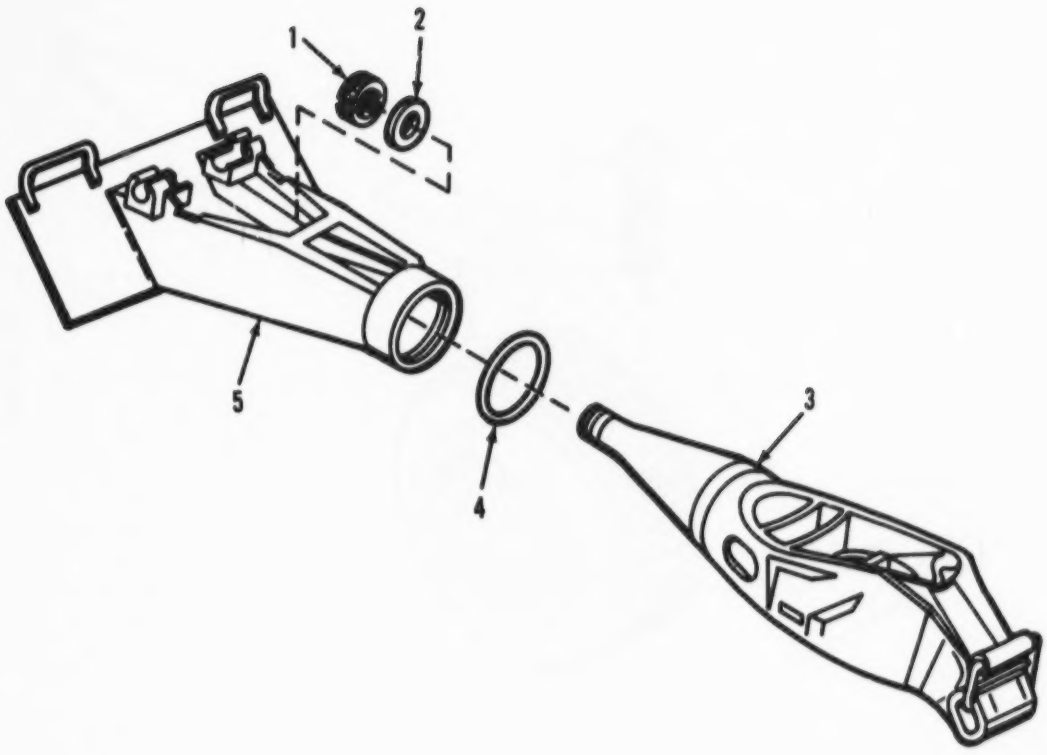


Figure 20. Bridge assembly 7144260

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0202 BRIDGE ASSEMBLY		
						7144260		
20	1	PAFFF	5310-00-096-6649	19206	11578492	NUT, SELF-LOCKING, KN	EA	1
20	2	PAFZZ	5310-00-714-4078	19206	7144078	WASHER, FLAT THRUST	EA	1
20	3	PAFFF	1015-00-719-1546	19206	7191546	BRIDGE, CUP ASSEMBLY	EA	1
20	4	PAFZZ	5330-00-982-1561	96906	MS28775-429	PACKING, PREFORMED	EA	1
20	5	PAFZZ	1015-00-714-6406	19206	7146406	BODY, BRIDGE BASE	EA	1

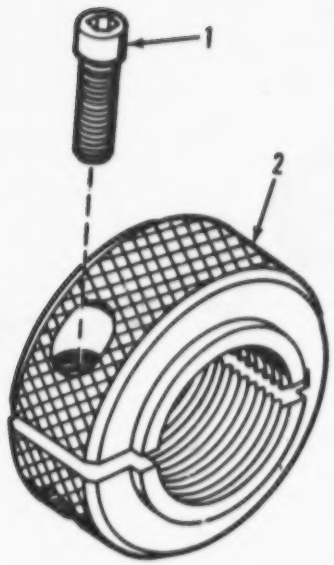


Figure 21. Nut assembly 11578492

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 020201 NUT ASSEMBLY		
						11578492		
21	1	PAFZZ	5305-00-983-4671	96906	MS16998-39	SCREW, CAP, SOCKET HE.....	EA	1
21	2	XAFZZ		19206	11578491	LOCK NUT.....	EA	1

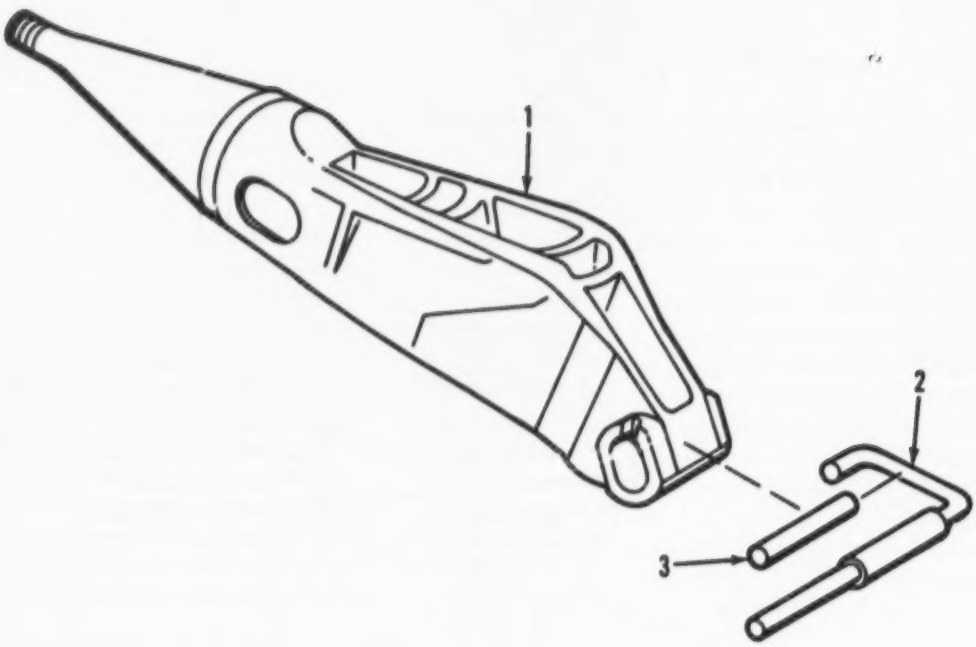


Figure 22. Bridge cup assembly 7191546

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 020202 BRIDGE CUP ASSEMBLY		
						7191546		
22	1	XAFZZ		19204	7144299	BODY BRIDGE CUP	EA	1
22	2	PAFZZ	1015-00-714-8044	19204	7148044	HANDLE	EA	1
22	3	PAFZZ	5315-01-057-0011	19204	7185938	PIN, STRAIGHT, HEADLE	EA	1

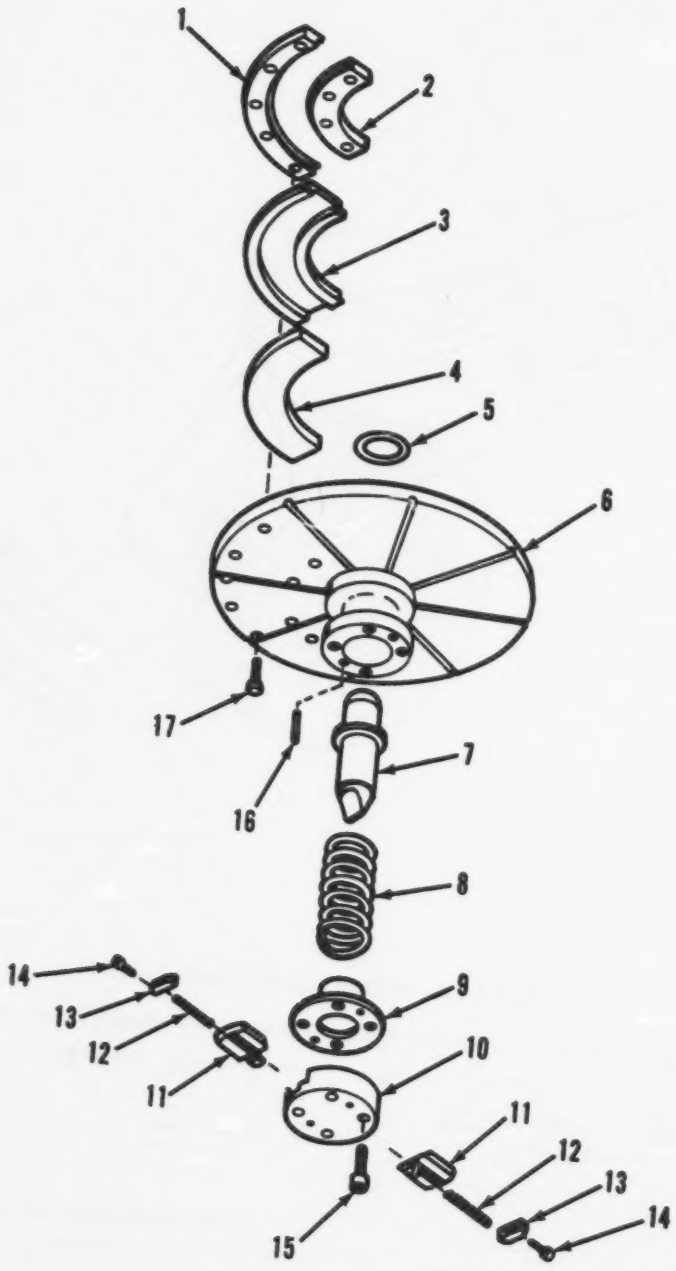


Figure 23. Rotator assembly 7148120

(1) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0203 ROTATOR ASSEMBLY		
						7148120		
23	1	PAFII	1015-00-714-4207	19206	7144207	RETAINER, OUTER	EA	1
23	2	PAFII	1015-00-714-4208	19206	7144208	RETAINER, INNER, MORT	EA	1
23	3	PAFII	1015-00-714-4205	19206	7144205	PAD, REST, MORTAR MOU	EA	1
23	4	PAFII	1015-00-714-4206	19206	7144206	CUSHION	EA	1
23	5	PAFII	5310-00-714-4082	19204	7144082	WASHER, FLAT NONMETALLIC	EA	1
23	6	XADDD		19204	7145418	BODY	EA	1
23	7	PAFII	5315-00-714-4155	19206	7144155	PIN, SHOULDER, HEADLE	EA	1
23	8	PAFII	5360-00-714-4150	19206	7144150	SPRING, HELICAL, COMP	EA	1
23	9	PAFII	1015-00-714-4210	19206	7144210	GUIDE E, PANDING PIN	EA	1
23	10	PAFII	1015-00-714-4209	19206	7144209	RETAINER, SLIDE LOCK	EA	1
23	11	PAFII	1015-00-714-4152	19206	7144152	LOCK SLIDE	EA	2
23	12	PAFII	5360-00-714-4149	19206	7144149	SPRING, HELICAL, COMP	EA	2
23	13	PAFII	1015-00-714-4153	19206	7144153	RETAINER	EA	2
23	14	PAFII	5305-00-978-9354	96906	MS16997-44	SCREW, CAP, SOCKET HE	EA	4
23	15	PAFII	5305-00-978-9396	96906	MS16997-101	SCREW, CAP, SOCKET HE	EA	4
23	16	PAFII	5315-00-810-3704	96906	MS16562-80	PIN, SPRING	EA	2
23	17	PAFII	5305-00-978-9394	96906	MS16997-99	SCREW, CAP, SOCKET HE	EA	9

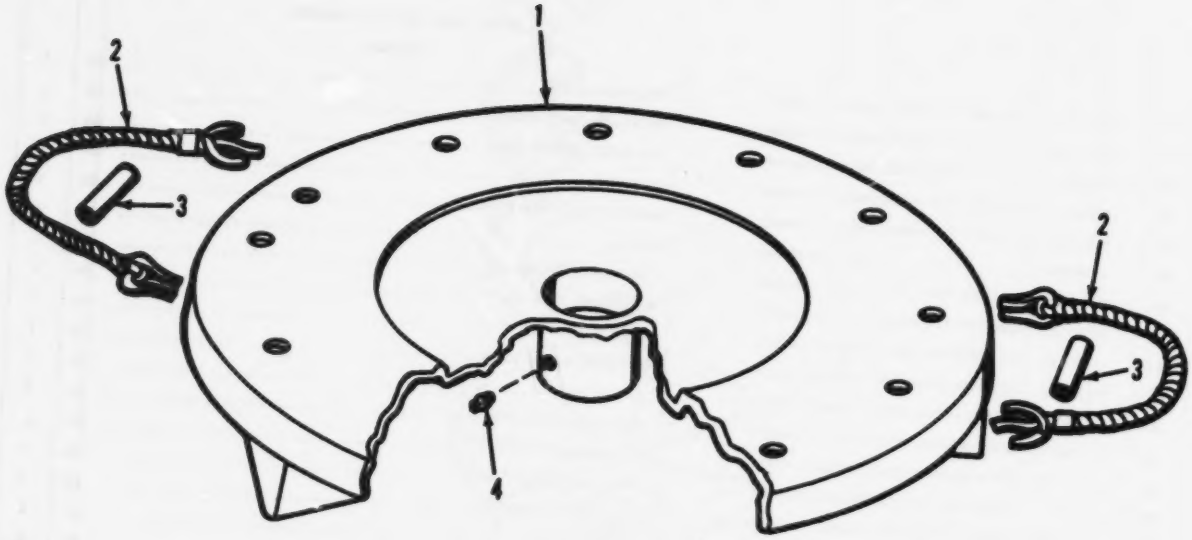


Figure 24. Baseplate, mortar 8401561

(1) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0204 BASEPLATE, MORTAR		
						8401561		
24	1	XABDD		19204	7148981	BODY	EA	1
24	2	PAOZZ	4020-00-714-4344	19204	7144344	ROPE, FIBROUS	EA	2
24	3	PAOZZ	1015-00-723-3790	19204	7233790	HANDLE	EA	2
24	4	PAFZZ	4730-00-221-2136	96906	MS20913-18	PLUG, PIPE	EA	1

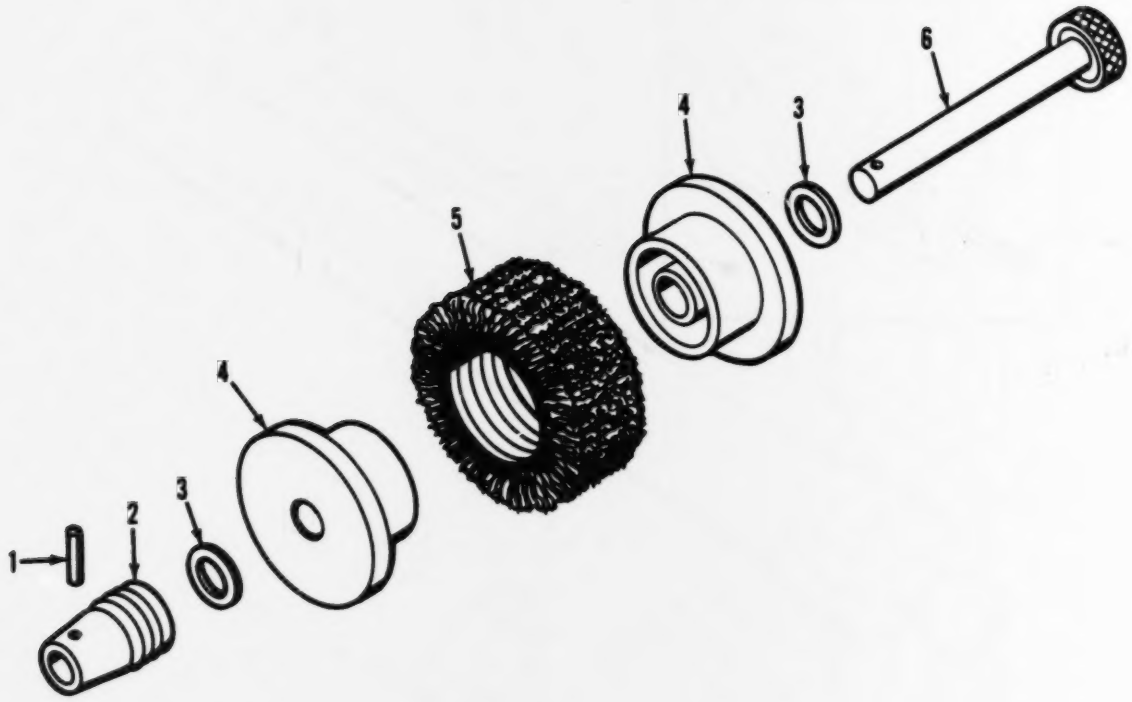


Figure 25. Brush, cleaning, artillery 8768698

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0404 BRUSH, CLEANING, ARTILLERY		
						8768698		
25	1	XAOZZ		96906	MS9048-138	PIN, SPRING	EA	1
25	2	XAOZZ		19206	8766029	ADAPTER, BORE BRUSH	EA	1
25	3	XAOZZ		96906	MS15795-118	WASHER, FLAT	EA	2
25	4	XAOZZ		19206	8766038	CAP, END	EA	2
25	5	PAOZZ	1015-00-615-7208	19207	6157208	BRUSH SECTION, CLEAN	EA	1
25	6	XAOZZ		19206	8768695	PIN	EA	1

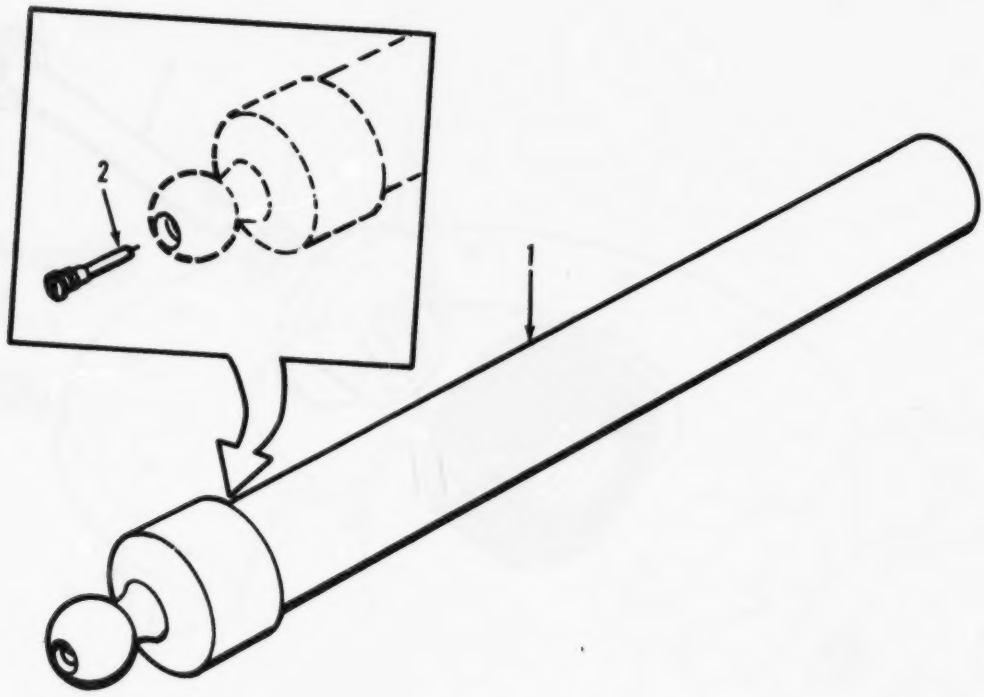


Figure 26. Trainer, subcaliber, 60-mm, M31 8429878 and cannon, 60-mm mortar, M2 7238501

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 05 TRAINER, SUBCALIBER, 60-MM, M31		
						8429878		
						AND		
						GROUP 0501 CANNON, 60-MM MORTAR, M2		
						7238501		
26	1	PAOFF	1010-00-723-8501	19206	7238501	CANNON, 60-MM MORTAR M2.....	EA	1
26	2	PAOZZ	1010-00-502-3272	19206	5025272	..PIN, FIRING.....	EA	1

Section III. SPECIAL TOOLS LIST

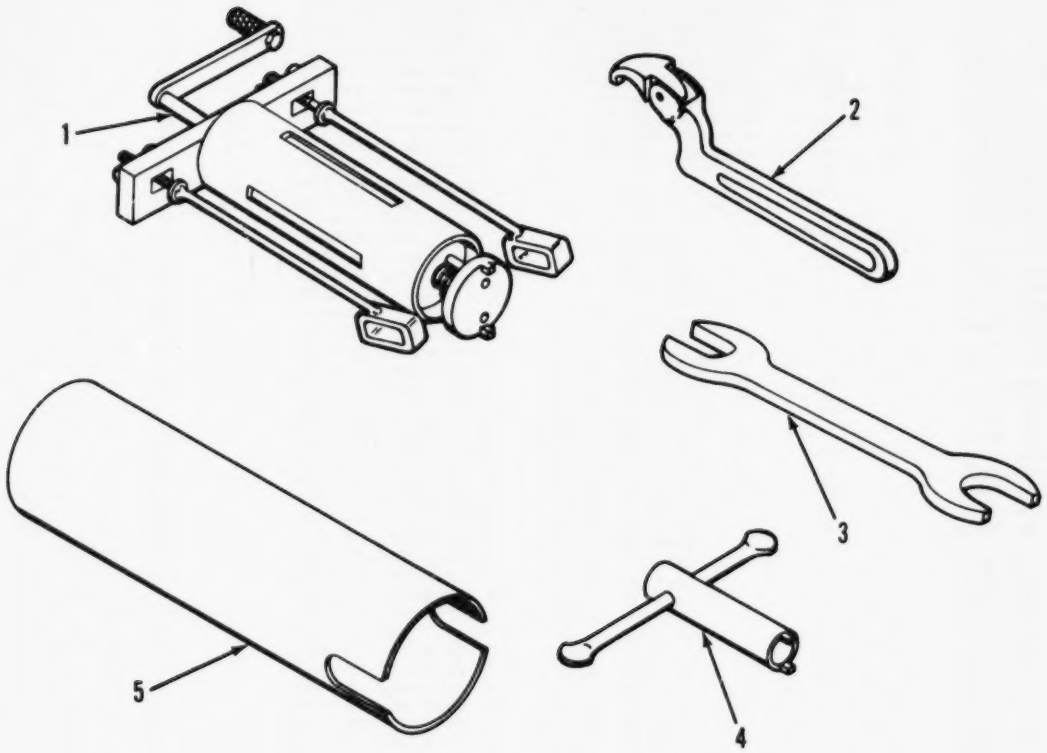


Figure 27. Special tools

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 9500 SPECIAL TOOLS		
27		PEFZZ	5180-00-713-2546	19204	5910503	TOOL SET, FIELD MAIN MAINTENANCE 4.2-IN MORTAR CANNON M30, AND 4.2-IN MORTAR MOUNT M24 SERIES	EA	
27	1	PAFZZ	4933-00-633-1388	19206	7309790	..COMPRESSING TOOL, RE	EA	
27	2	PAFZZ	5120-00-277-9076	19207	5218469	..WRENCH, SPANNER	EA	
27	3	PAFZZ	5120-00-714-4741	19204	7144741	..WRENCH, OPEN END	EA	
27	4	PAFZZ	5120-00-546-5934	19206	7309236	..WRENCH, SPANNER	EA	
27	5	PAFZZ	4933-00-896-9039	19206	8768214	..COMPRESSOR, SPRING	EA	

Section IV. NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.
5305-00-013-2960	13	9
5320-00-013-4648	11	4
5315-00-052-6634	3	8
5360-00-055-2830	15	9
4730-00-057-5555	3	15
5305-00-058-9370	10	7
5310-00-096-6649	20	1
1015-00-127-2978	6	6
1015-00-127-2980	6	2
5310-00-167-0721	10	2
5306-00-182-5196	18	6
3110-00-198-1050	15	10
4730-00-221-2136	24	4
5315-00-238-1584	3	17
1015-00-252-2132	6	7
5120-00-277-9076	27	2
5310-00-402-4437	18	8
1015-00-421-1696	6	11
5310-00-453-6514	6	1
5340-00-455-2680	6	12
1015-00-465-5965	18	7
5355-00-498-2428	3	2
1010-00-502-5272	26	2
5120-00-546-5934	27	4
5310-00-561-2001	13	2
1015-00-561-2002	13	6
5330-00-582-1561	20	4
5310-00-595-7237	13	4
1015-00-615-7208	25	5
5315-00-616-3839	3	1
4933-00-633-1388	27	1
1015-00-690-3114	2	9
5180-00-713-2546	27	
5305-00-713-4364	3	10
5360-00-713-4392	4	5
1015-00-713-4399	4	1
1015-00-713-6051	3	11
5365-00-714-4005	2	18
5330-00-714-4006	2	13
5330-00-714-4012	3	3
1015-00-714-4013	3	14
3120-00-714-4016	3	5
1015-00-714-4020	3	12
5310-00-714-4024	2	10
5330-00-714-4034	18	3
1015-00-714-4038	15	3
5365-00-714-4039	15	8
5310-00-714-4040	15	4
5305-00-714-4041	15	1
5315-00-714-4042	15	7
5330-00-714-4043	10	8
5310-00-714-4044	16	9
5365-00-714-4045	16	10
5315-00-714-4049	14	8
5310-00-714-4050	14	4
5365-00-714-4051	10	12
5315-00-714-4052	14	1
5330-00-714-4055	11	2
5365-00-714-4060	17	2
5365-00-714-4061	17	3
5310-00-714-4062	16	13
5310-00-714-4063	16	5
5330-00-714-4064	12	7
5365-00-714-4065	12	8
5365-00-714-4067	12	1
5315-00-714-4069	12	3
3120-00-714-4070	10	10
5305-00-714-4072	11	9
1015-00-714-4073	11	7
5315-00-714-4074	11	6
5310-00-714-4078	20	2
5310-00-714-4082	23	5
5310-00-714-4085	2	14
5315-00-714-4093	8	2
5360-00-714-4094	6	5
1015-00-714-4097	3	20
5360-00-714-4099	3	13

STOCK NUMBER	FIGURE NO.	ITEM NO.
1015-00-714-4100	2	7
1015-00-714-4101	3	4
5310-00-714-4103	6	8
1015-00-714-4104	2	12
1015-00-714-4109	15	2
1015-00-714-4111	10	9
5360-00-714-4122	13	5
5360-00-714-4123	13	11
5360-00-714-4124	13	10
5310-00-714-4127	17	4
5310-00-714-4128	12	6
5365-00-714-4129	13	12
1015-00-714-4132	13	3
5360-00-714-4133	12	9
1015-00-714-4135	10	13
1015-00-714-4136	16	7
5360-00-714-4137	11	8
1015-00-714-4138	16	2
1015-00-714-4139	11	5
5360-00-714-4149	23	12
5360-00-714-4150	23	8
1015-00-714-4152	23	11
1015-00-714-4153	23	13
5315-00-714-4155	23	7
1015-00-714-4168	2	17
1015-00-714-4172	3	7
1015-00-714-4173	10	11
1015-00-714-4174	14	5
1015-00-714-4183	16	14
1015-00-714-4184	16	6
1015-00-714-4185	12	2
1015-00-714-4187	19	2
1015-00-714-4189	12	4
1015-00-714-4190	16	4
1015-00-714-4191	11	1
1015-00-714-4192	11	3
1015-00-714-4205	23	3
1015-00-714-4206	23	4
1015-00-714-4207	23	1
1015-00-714-4208	23	2
1015-00-714-4209	23	10
1015-00-714-4210	23	9
1015-00-714-4219	3	6
1015-00-714-4224	10	6
1015-00-714-4227	16	12
1015-00-714-4229	13	8
4020-00-714-4266	24	2
5120-00-714-4741	27	3
1015-00-714-5424	3	16
1015-00-714-6406	20	5
1015-00-714-8044	22	2
1015-00-714-8120	9	5
1015-00-719-1546	20	3
5305-00-719-5329	2	11
5305-00-719-5330	3	19
1015-00-723-5790	24	3
1010-00-723-8501	26	1
5305-00-723-9385	2	1
5305-00-723-9388	12	5
5305-00-723-9388	14	7
5305-00-724-6816	15	6
5305-00-727-4791	14	2
5305-00-728-6308	16	15
5310-00-732-0558	2	15
1015-00-767-3160	16	16
5305-00-808-0864	2	16
5315-00-810-3704	23	16
5315-00-823-8735	16	3
3120-00-824-4495	19	1
5310-00-834-8734	14	6
1015-00-840-1561	9	6
5315-00-843-7986	16	11
5315-00-844-3943	6	3
5315-00-844-3964	5	1
5310-00-851-2682	2	19
5305-00-852-3731	13	7
5315-00-853-3814	10	5

STOCK NUMBER	FIGURE NO.	ITEM NO.
1015-00-857-2822	2	3
5315-00-857-3258	18	1
1015-00-869-7976	6	9
1015-00-869-7978	6	13
5330-00-869-7982	6	4
1015-00-869-7983	6	10
4933-00-896-9039	27	5
5310-00-934-9758	4	3
5310-00-934-9758	7	2
5305-00-958-5245	16	8
5305-00-978-9354	23	14
5305-00-978-9394	23	17
5305-00-978-9396	23	15
5305-00-983-5346	2	8
5305-00-983-5346	10	3
5305-00-983-5346	16	1
5305-00-983-6621	10	4
5305-00-983-6671	21	1
5305-00-983-7429	3	9
5305-00-984-4984	2	4
5305-00-984-4984	9	3
5305-00-984-6214	7	1
4730-00-985-4139	13	1
4730-00-985-4139	18	2
5315-00-993-4169	8	3
5315-01-057-0011	22	3

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
81348	FFS103	14	2
96906	MS15795-118	25	3
96906	MS16555-49	16	3
96906	MS16562-10	6	3
96906	MS16562-145	18	1
96906	MS16562-146	10	5
96906	MS16562-33	16	11
96906	MS16562-47	5	1
96906	MS16562-80	23	16
96906	MS16997-101	23	15
96906	MS16997-44	23	14
96906	MS16997-78	2	8
96906	MS16997-78	10	3
96906	MS16997-78	16	1
96906	MS16997-80	10	4
96906	MS16997-99	23	17
96906	MS16998-28	3	9
96906	MS16998-59	21	1
96906	MS171531	3	1
96906	MS171725	8	3
96906	MS19060-4814	15	10
96906	MS20913-1S	24	4
96906	MS28775-429	20	4
96906	MS35190-288	16	8
96906	MS35206-227	2	4
96906	MS35206-227	9	3
96906	MS35206-267	7	1
96906	MS35333-41	10	2
96906	MS35333-42	13	4
96906	MS35649-202	4	3
96906	MS35649-202	7	2
96906	MS35691-17	2	19
96906	MS35691-37	14	6
96906	MS49005-6	3	15
96906	MS51023-28	13	7
96906	MS51963-20	2	11
96906	MS51963-21	3	19
96906	MS51963-62	12	5
96906	MS51963-62	14	7
96906	MS51963-65	2	1
96906	MS51965-64	15	6
96906	MS51966-48	16	15
96906	MS51967-8	2	17
96906	MS51977-32	10	7
96906	MS9048-138	25	1
96906	MS90728-71	2	16
96906	MS9105-88	3	8
80205	NAS561P4-6	3	17
81343	SAEJ492	11	4
81348	WWP471-ACAAAA	13	1
81348	WWP471-ACAAAA	18	2
19200	10559698	1	2
19206	11577215	8	1
19206	11577216	2	3
19206	11577219	8	5
19206	11577220	1	1
19206	11577221	8	4
19206	11577222	2	5
19206	11577223	9	4
19206	11578073	2	2
19206	11578075	6	6
19206	11578076	6	12
19206	11578077	6	2
19206	11578078	6	7
19206	11578079	6	1
19206	7144099	3	13
19206	7144100	2	7
19206	7144101	3	4
19206	11578298	6	11
19206	11578491	21	2
19206	11578492	20	1
24617	132960	13	9
19206	5025272	26	2
19207	5218469	27	2
19204	5910503	27	
19207	6157208	25	5
19206	7134364	3	10
19206	7134391	4	4
19206	7134392	4	5
19206	7134399	4	1
19204	7134410	4	2
19206	7136051	3	11
19206	7144004	6	9
19206	7144005	2	18
19206	7144006	2	13
19206	7144010	6	13
19206	7144012	3	3
19206	7144013	3	14
19206	7144016	3	5
19206	7144020	3	12
19204	7144024	2	10
19206	7144026	6	4
19206	7144034	18	3
19206	7144035	18	7
19206	7144036	18	6
19206	7144037	18	8
19206	7144038	15	3
19206	7144039	15	8
19204	7144040	15	4
19206	7144041	15	1
19204	7144042	15	7
19204	7144043	10	8
19206	7144044	16	9
19206	7144045	16	10
19204	7144049	14	8
19204	7144050	14	4
19206	7144051	10	12
19204	7144052	14	1
19206	7144055	11	2
19206	7144060	17	2
19206	7144061	17	3
19204	7144062	16	13
19204	7144063	16	5
19206	7144064	12	7
19206	7144065	12	8
19206	7144067	12	1
19206	7144068	19	1
19204	7144069	12	3
19206	7144070	10	10
19206	7144072	11	9
19206	7144073	11	7
19204	7144074	11	6
19206	7144078	20	2
19204	7144082	23	5

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
19206	7144085	2	14
19206	7144087	6	10
19206	7144093	8	2
19206	7144094	6	5
19206	7144097	3	20
19206	7144098	3	18
19204	7144103	6	8
19206	7144104	2	12
19206	7144107	18	4
19206	7144108	18	3
19206	7144109	15	2
19206	7144111	10	9
19204	7144114	17	5
19206	7144122	13	5
19206	7144123	13	11
19206	7144124	13	10
19204	7144126	17	1
19204	7144127	17	4
19206	7144128	12	6
19207	7144129	13	12
19206	7144132	13	3
19206	7144133	12	9
19206	7144135	10	13
19206	7144136	16	7
19206	7144137	11	8
19206	7144138	16	2
19206	7144139	11	5
19206	7144149	23	12
19206	7144150	23	8
19206	7144152	23	11
19206	7144153	23	13
19206	7144155	23	7
19206	7144168	2	17
19206	7144172	3	7
19206	7144173	10	11
19206	7144174	14	5
19204	7144175	15	5
19206	7144183	16	14
19206	7144184	16	6
19206	7144185	12	2
19204	7144186	19	3
19206	7144187	19	2
19206	7144189	12	4
19206	7144190	16	4
19206	7144191	11	1
19206	7144192	11	3

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
19206	7144205	23	3
19206	7144206	23	4
19206	7144207	23	1
19206	7144208	23	2
19206	7144209	23	10
19206	7144210	23	9
19206	7144217	5	2
19206	7144218	2	6
19206	7144219	3	6
19206	7144224	10	6
19206	7144227	16	12
19206	7144229	13	8
19204	7144231	14	3
19206	7144232	10	1
19206	7144256	9	1
19204	7144259	22	1
19204	7144260	9	2
19206	7144266	24	2
19204	7144741	27	3
19204	7145418	23	6
19206	7145424	3	16
19206	7146406	20	5
19206	7148044	22	2
19206	7148120	9	5
19204	7148538	18	9
19204	7148581	24	1
19206	7185938	22	3
19206	7191546	20	3
19206	7235790	24	3
19206	7238501	26	1
19206	7309158	13	2
19206	7309159	13	6
19206	7309236	27	4
19206	7309693	2	9
19206	7309790	27	1
19200	8245971	1	2
19204	8401561	9	6
19204	8401603	1	3
19206	8765630	16	16
19206	8766029	25	2
19206	8766038	25	4
19206	8768214	27	5
19206	8768695	25	6
19206	8768922	3	2
19206	8769347	15	9

By Order of the Secretary of the Army:

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Chief of Staff

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Distribution:

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PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 9-1015-215-30P	26 Oct 84	Mortar, 4.2-inch, M30

BE EXACT...PIN-POINT WHERE IT IS

PAGE NO.	PARAGRAPH	FIGURE NO.	TABLE NO.	IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:
9		2		ITEM 5 IS NOT AN INSTRUCTION PLATE. CHANGE TO IDENTIFICATION PLATE.
19		9		CALLOUTS 3 & 4 ARE REVERSED. 3 SHOULD BE THE SCREW AND 4 SHOULD BE THE PLATE.

SAMPLE

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SIGN HERE John Smith

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TM 9-1015-215-30P
C4

CHANGE

No. 4

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 29 December 1987

Direct Support Maintenance
Repair Parts and Special Tools List
(Including Depot Maintenance Repair Parts)

for

MORTAR, 4.2-INCH: M30
(CANNON M30 ON MOUNT M24A1)
(1015-00-840-1840)

and

TRAINER, SUBCALIBER, 60-MM: M31
(8429878)

TM 9-1015-215-30P, 26 October 1984, is changed as follows:

1. Remove old pages and insert new pages as indicated below.

2. New or changed material is indicated by a vertical bar in the margin of the page.

Remove Pages	Insert Pages
2-9 and 2-10	2-9 and 2-10

3. File this change sheet in back of the publication for reference purposes.

By Order of the Secretary of the Army:

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Chief of Staff

Official:

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Brigadier General, United States Army
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TM 9-1015-215-30P
C3

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 12 August 1987

Change
No. 3

Direct Support Maintenance
Repair Parts and Special Tools List
(Including Depot Maintenance Repair Parts)

for

MORTAR, 4.2-INCH: M30
(CANNON M30 ON MOUNT M24A1)
(1015-00-840-1840)

and

TRAINER, SUBCALIBER, 60-MM: M31
(8429878)

TM 9-1015-215-30P, 26 October 1984, is changed as follows:

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TM 9-1015-215-30P
C2

Change
No. 2

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 17 April 1987

Direct Support Maintenance
Repair Parts and Special Tools List
(Including Depot Maintenance Repair Parts)

for

MORTAR, 4.2-INCH: M30
(CANNON M30 ON MOUNT M24A1)
(1015-00-840-1840)

and

TRAINER, SUBCALIBER, 60-MM: M31
(8429878)

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Remove Pages	Insert Pages
(7 blank)/8 through 10	(7 blank)/8 through 10
43 through 46	43 through 46

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TM 9-1015-215-30P
C1

Change

No. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 11 July 1986

Direct Support Maintenance
Repair Parts and Special Tools List
(Including Depot Maintenance Repair Parts)

for

MORTAR, 4.2-INCH, M30
(CANNON M30 ON MOUNT M24A1)
(1015-00-840-1840)

and

TRAINER, SUBCALIBER, 60-MM, M31
(8429876)

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9 and 10	9 and 10

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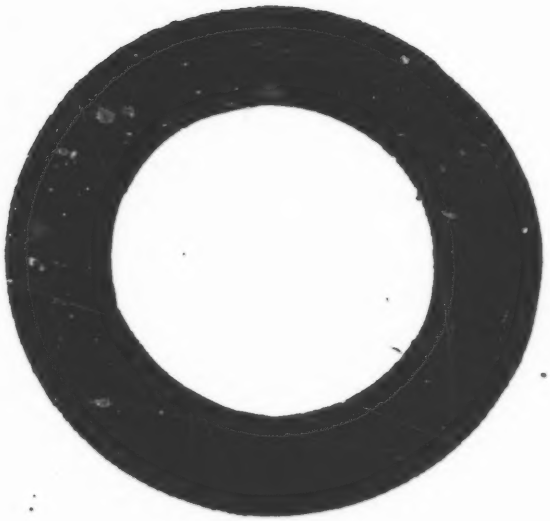


THE METRIC SYSTEM AND EQUIVALENTS

LINEAR MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
1 Kilogram = 1000 Grams = 2.2 Lb
1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq Centimeter = 100 Sq Millimeters = 0.155 Sq Inches
1 Sq Meter = 10,000 Sq Centimeters = 10.76 Sq Feet
1 Sq Kilometer = 1,000,000 Sq Meters = 0.386 Sq Miles

CUBIC MEASURE

1 Cu Centimeter = 1000 Cu Millimeters = 0.06 Cu Inches
1 Cu Meter = 1,000,000 Cu Centimeters = 35.31 Cu Feet

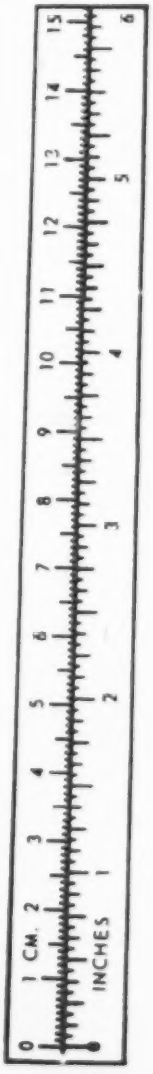
TEMPERATURE

$5/9\ (^0F - 32) = {}^0C$
212^0 Fahrenheit is equivalent to 100^0 Celsius
90^0 Fahrenheit is equivalent to 32.2^0 Celsius
32^0 Fahrenheit is equivalent to 0^0 Celsius
$9/5\ C^0 + 32 = F^0$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
Pints	Liters	0.473
Quarts	Liters	0.946
Gallons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
Liters	Gallons	0.264
Grams	Ounces	0.035
Kilograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pound-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
Kilometers per Liter	Miles per Gallon	2.354
Kilometers per Hour	Miles per Hour	0.621



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